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Average hours per week of scheduled occupancy of classroom and laboratory space in the nine institutions of higher education operated by the State of Oregon are analyzed and also compared with similar information concerning other states' institutions as available from the U. S. Office of Education. Classroom and laboratory utilization was based upon a maximum of 44 assignable hours per week. This weekly assignable hour total is exclusive of evening, Saturday, and Division of Continuing Education room assignments. The foregoing analysis plus the scheduled occupancy standards as established by the Oregon Board of Higher Education directly affect the development of the operating budget and the capital outlay program for the Oregon Board of Higher Education. Numerous charts, graphs, tables, and definitions of terms used are included. (RLP)

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
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PREFACE

The Fall Term 1966 Space Utilization Report for the Oregon State System of Higher Education includes information concerning each of the following institutions governed by the Oregon State Board of Higher Education:

Eastern Oregon College	La Grande
Oregon College of Education	Monmouth
Oregon State University	Corvallis
Southern Oregon College	Ashland
University of Oregon	Eugene
University of Oregon Dental School	Portland
University of Oregon Medical School	Portland
Portland State College	Portland
Oregon Technical Institute	Klamath Falls

and selected information applicable to the state-wide Division of Continuing Education. The report was prepared with the cooperation of the institutional research personnel or the space analysts at the nine institutions, the Board's Office of Institutional Research and the Board's Office of Business Affairs (Facilities Planning).

The data on scheduled occupancy of classrooms and laboratories were assembled from the faculty "Reports of Service" which were prepared during the fourth week of the term. With the exception of two of the institutions (University of Oregon Dental School and University of Oregon Medical School), these data were processed on a computer at the University of Oregon Statistical Laboratory in Eugene. A manual operation of cross coding and computations was used in preparing the utilization report for both the Dental and the Medical Schools.

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I

INTRODUCTION

The Oregon State System of Higher Education was organized in 1932, following a survey ordered by the 1929 Legislative Assembly. The organization consists of a Board of nine members appointed by the Governor to serve regular terms of six years. The Board selects a Chancellor as its executive officer to carry out the directives and policies established by the Board. Among other matters, the Chancellor and his staff are concerned with curriculum planning, student and faculty affairs, continuing education, budgeting, accounting and fiscal control, campus and building planning, public relations, etc.

The State Board of Higher Education has adopted policies on the following subjects which directly affect the development of the operating budget and capital outlay programs:

1. Long Term Guidelines
2. Admission Policies
3. Enrollment Projections
4. Space Use Objectives and Building Planning Standards
5. Master Campus Planning
6. Land Acquisition Policies
7. Categories of Capital Outlay Expenditures
8. Cost Allocations
9. Capacity to Finance Auxiliary Enterprise Projects
10. Air Conditioning
11. Bid Procedures
12. Appointment of Professional Consultants

The demands of society upon the individual have mounted during the last twenty years (since World War II) toward the attainment of education beyond the high school level. A recent study by the Census Bureau pointed out that about three of every ten Americans were enrolled in school or college

for the present academic year. The study further stated that college and professional school enrollment was up 70 percent (6.1 million persons) from 1960. The increased number of students in all segments of higher education has generated the need for additional facilities and has prompted a thorough analysis of the use of all existing facilities. The Office of Business Affairs of the Oregon State System of Higher Education has been inventorying its buildings and other physical facilities for many years, but has refined these records recently to provide a substantial amount of detailed information to assist the staffs of the institutions and the Board's Office in planning for future enrollment growth. Much of the record keeping is accomplished through a data processing program which has been developed on a computer in close cooperation with the staff of the Comptroller's Office in Corvallis.

Physical Facilities Inventory

Each of the nine institutions in the Oregon State System of Higher Education has a staff member who has, as one of his responsibilities, the maintenance of space inventory data for buildings and other facilities at his institution. Records are available on all buildings except residential, dormitory-dining facilities, off-campus branch experiment stations and units under construction.

The following definitions are used in reporting information and data regarding areas for the space inventory:

Gross Area - The gross floor area is the sum of the areas within the principal outside faces of the exterior walls at each floor level neglecting architectural setbacks and projections.

Nonusable Area - Nonusable area includes all exterior wall areas, interior partitions, pipe spaces and chases, vertical plenums, dead spaces, etc.

Net Usable Area - The net usable area is the square foot area in the interior of a building, excluding structural elements

such as walls, columns, shafts, partitions, etc., based upon measurements taken at or near floor level. The net usable area of a space or building is the sum of all measurable floor areas with a headroom of 6'6" or more.

Nonassignable Area - Nonassignable area includes stairs, halls, elevators, toilet rooms, janitor rooms, mechanical rooms, etc.

Net Assignable Area - Net assignable area is the floor area of a room, floor or building, assignable to an operating department (exclusive of physical plant maintenance and building operation space). The net assignable area of a room is measured from the inside walls at or near the floor level.

The following schedule reflects the relationships between the different areas:

Gross Area = 100% of the building

Gross Area - Nonusable Area = Net Usable Area

Net Usable Area - Nonassignable Area = Net Assignable Area

As the inventory program has been designed, each of the buildings has been assigned a number which corresponds with the Building Valuation Schedule maintained by the Comptroller's Office in connection with the State Restoration Fund Report, and individual spaces in each building have been identified by floor level and room number. Coding has been prepared to identify spaces in all buildings by the following major classification system:

1. Multiple Contact (classrooms, seminar rooms, gymnasiums, etc.)
2. Laboratories
3. Multiple Contact Other (conference rooms, auditoriums, etc.)
4. Offices
5. Libraries and Museums
6. Residential and Miscellaneous
7. Medical-Dental
8. Service Areas
9. Building Services (stairs, halls, janitorial areas, mechanical-electrical rooms, etc.)

Subclassifications are provided in each category

II.

AVAILABLE SPACE

Total Facilities

During the Fall Term 1966, the Oregon State System of Higher Education was occupying more than 6.8 million gross square feet of floor area assigned as educational and general plant for the nine institutions within the System. This figure includes areas used as classrooms, teaching and research laboratories, libraries, gymnasiums, hospitals and clinics, offices, agricultural research space, heating plants, etc. In addition, the various units of the State System were occupying approximately 4.4 million gross square feet of space assigned as auxiliary enterprises (student centers, residence halls, cafeterias, athletic facilities, student health centers, etc.). It is important to point out that the figures are constantly changing due to new construction, remodeling and demolition. Table I summarizes the approximate amount of space occupied in each of the two major classifications at the various institutions:

TABLE I

	Gross Square Foot Area as of November 18, 1966	
Institution	Educational and General Plant	Auxiliary Enterprise
Eastern Oregon College	220,205	177,066
Oregon College of Education	281,709	236,192
Oregon State University	2,497,967	1,684,114
Southern Oregon College	266,057	359,405
University of Oregon	1,482,100	1,464,218
Portland State College	740,501	301,034
Oregon Technical Institute	276,930	72,922
University of Oregon Dental School	149,955	6,548
University of Oregon Medical School	950,886	126,477
Totals	6,866,310*	4,427,976

*Excludes 38,678 gross square feet for the Division of Continuing Education, consisting principally of the office building at 1633 S. W. Park Avenue, Portland, and facilities for KOAC and KOAP-TV.

Age of Buildings - Educational and General Plant

To analyze the gross area of facilities available in the State System according to approximate time of construction or acquisition, Table II was developed from the data contained in the Building Valuation Schedule published by the Comptroller's Office and was coordinated with the latest space inventory. It is probable that the analysis contains some minor errors because of the various adjustments for remodeling, conversions from one type of use to another, and possibly also from the questionable accuracy of early records. However, the data are believed to be reasonably adequate to reflect the volume of activity during each of the periods shown.

The following tables and figures indicate by time period groupings the approximate gross areas of facilities which were made available for the Educational and General Plant and for Auxiliary Enterprises at all units of the Oregon State System of Higher Education:

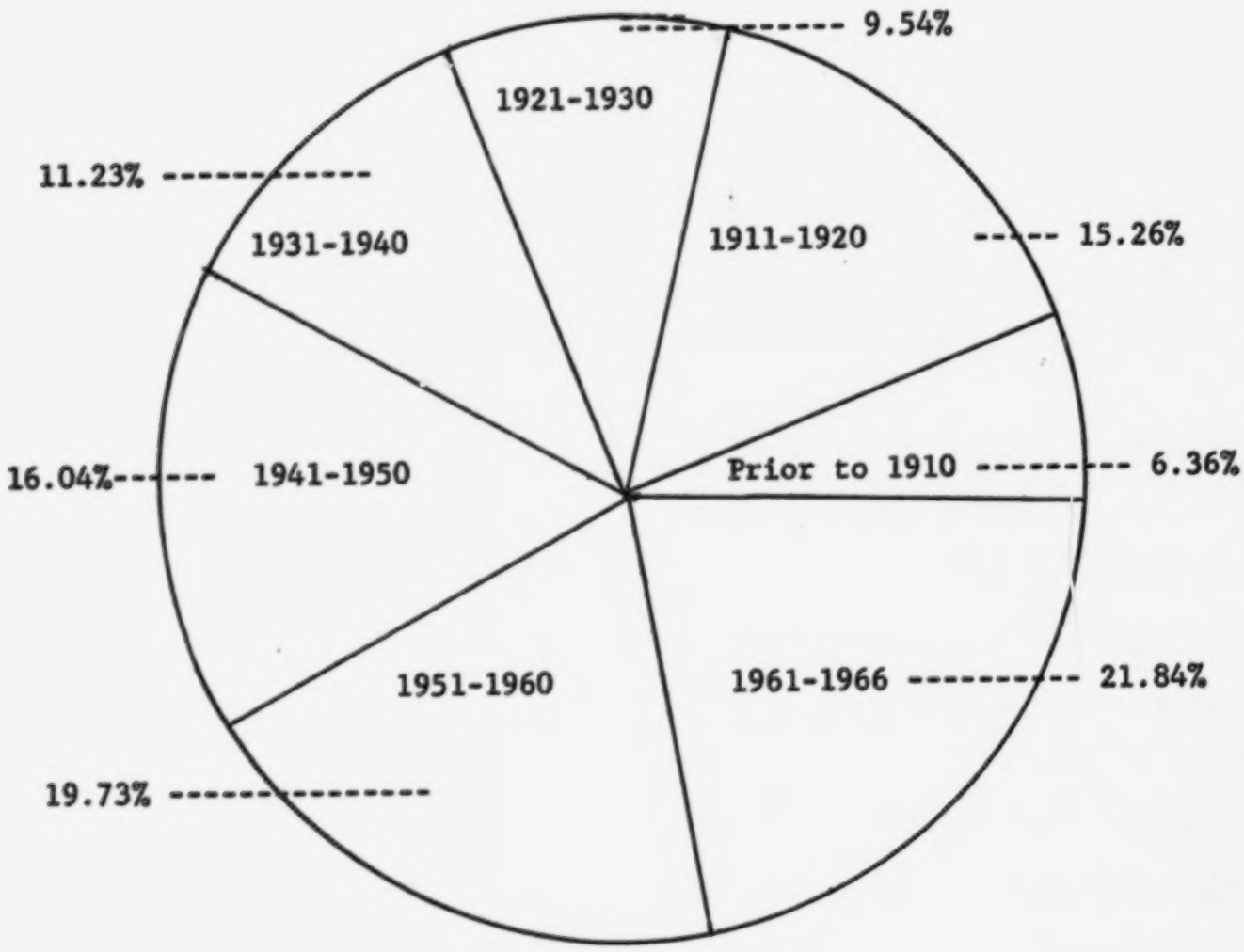
TABLE II

EDUCATIONAL AND GENERAL PLANT

Years	Gross sq.ft. Area	% of Total Available in Fall 1966	Cumulative Gross sq.ft. Area	Cumulative Percent
-1910	436,822	6.36%		6.36%
1911-1920	1,047,566	15.26	1,484,388	21.62
1921-1930	655,172	9.54	2,139,560	31.16
1931-1940	771,187	11.23	2,910,747	42.40
1941-1950	1,101,151	16.04	4,011,898	58.43
1951-1960	1,354,877	19.73	5,366,775	78.16
1961-1966	1,499,535	21.84	6,866,310	100.00
Totals	6,866,310	100.00%		

FIGURE 1

PERCENTAGE OF GROSS SQUARE FOOT AREAS AVAILABLE IN FALL TERM 1966
FOR EDUCATIONAL AND GENERAL PLANT--ANALYZED BY PERIOD OF CONSTRUCTION OR ACQUISITION



It should be pointed out that while much building has taken place in the last fifteen years (approximately 41.5% of total space), some of the institutions of the State System are occupying space which was constructed more than 55 years ago. Attention is directed to the relationship that exists between the increase in student enrollments and the increase in facilities available for educational and general purposes. Between 1931 and 1961 the rate of growth in enrollment was almost twice as large as the percentage increase in the amount of space provided. During the period 1961-1966, the increase in enrollment was

57.8%, but the additional area within the educational and general plant constituted only 27.9% of the 1961 total. Data within Table III reflect this relationship:

TABLE III

COMPARISON OF INCREASE IN ENROLLMENT AND INCREASE IN SPACE WITHIN THE EDUCATIONAL AND GENERAL PLANT FROM 1931 TO 1966

	Enrollment (Headcount)			Area in Educational & General Plant		
		Increase over Prior Periods			Increase over Prior Periods	
	Total	No. of Students	%	Total Sq. Ft.	Sq. Ft. Area	%
1931	7,055			2,139,560		
1941	8,690	1,635	23.2	2,910,747	771,187	36.0
1951	14,294	5,604	64.5	4,011,898	1,101,151	37.8
1961	27,895	13,601	95.2	5,366,775	1,354,877	33.8
Total increases since 1931		20,840	295.4		3,227,215	150.8
1966	44,032	16,137	57.8	6,866,310	1,499,535	27.9
Total increases since 1931		36,977	524.1		4,726,750	220.9

In Table III, the percentage of increase has been computed over the previous period of time. For example, from 1941 to 1951 the State System enrollments increased approximately 64.5% whereas during this same ten-year period the area of Educational and General Plant facilities increased approximately 37.8%. A further analysis of the table would indicate that from the year 1951 enrollments have increased 208%, while the area of facilities classified as Educational and General Plant have been increased only 71%.

Age of Buildings - Auxiliary Enterprises

In much the same manner that Educational and General Plant space was analyzed, the data for Auxiliary Enterprises were compared with the Building Valuation Schedule. Although the most current Space Inventory does not include residential spaces, the gross areas of residence halls and cafeteria facilities have been extracted from other records in an

effort to make the summary as complete as possible. Table IV indicates the increases in gross areas in much the same manner as Table II:

TABLE IV

AUXILIARY ENTERPRISES

Years	Gross Sq. Ft. Area	% of Total Available Fall 1966	Cumulative Gross Sq. Ft. Area	Cumulative Percent
-1910	7,763	0.18%		0.18%
1911-1920	66,811	1.51	74,574	1.68
1921-1930	525,213	11.86	599,787	13.55
1931-1940	167,134	3.77	766,921	17.32
1941-1950	982,960	22.20	1,749,881	39.52
1951-1960	1,085,249	24.51	2,835,130	64.03
1961-1966	1,592,846	35.97	4,427,976	100.00%
Totals	4,427,976	100.00%		

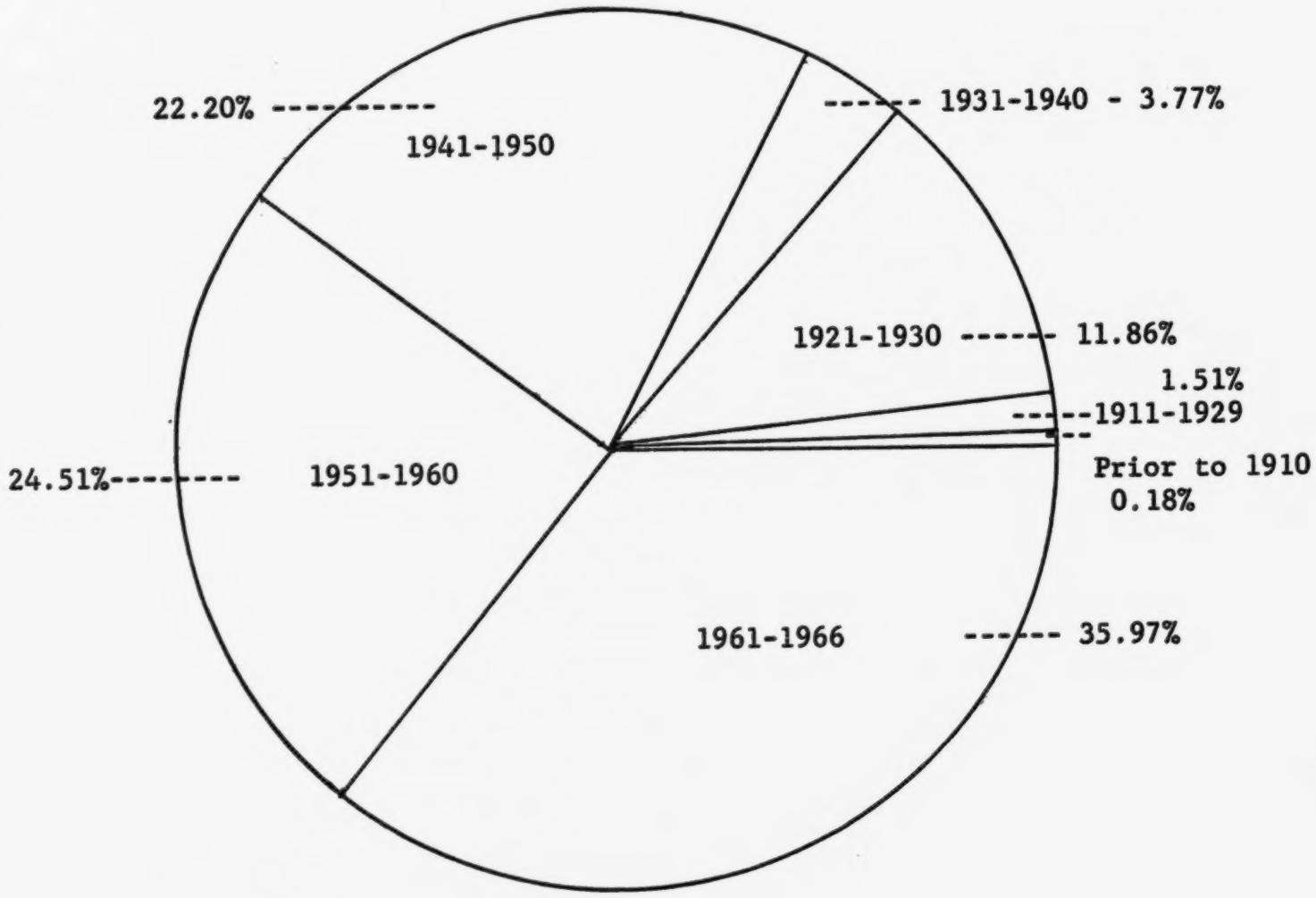
Much of the area classified as Auxiliary Enterprises is in the form of student housing and the increase of enrollments has had a most vital impact in the requirement for providing space in which students may live.

The figures in Table IV indicate that less than 40% of the student housing, student union facilities and other auxiliary enterprise areas are 15 years or older. Over 80% of such space is less than 25 years in age. However, to point out the effect of growth in enrollment in relationship to square foot areas as was indicated in Table III for the Educational and General Plant, it is noted that between 1951 and 1966, when an increase of over 208% in enrollment was taking place, the State System was increasing the space classified as Auxiliary Enterprises by approximately 153%.

Figure 2 analyzes the areas within Auxiliary Enterprise facilities by periods of construction or acquisition.

FIGURE 2

PERCENTAGE OF GROSS AREAS AVAILABLE IN FALL TERM 1966
FOR AUXILIARY ENTERPRISES--ANALYZED BY PERIODS OF CONSTRUCTION OR ACQUISITION



Use of Space

An analysis of the principal function or use of space within all nonresidential facilities of seven of the nine institutions of the Oregon State System of Higher Education is summarized in Table V. Data for the University of Oregon Medical School and University of Oregon Dental Schools are not included. The analysis is concerned only with net assignable square foot areas and, therefore, does not reflect areas used for corridors, stairs, mechanical equipment, thickness of walls and partitions, etc. The type of educational program at each institution

TABLE V

OREGON STATE SYSTEM OF HIGHER EDUCATION
ANALYSIS BY PRINCIPAL USE OF ASSIGNABLE AREAS WITHIN NONRESIDENTIAL FACILITIES AT SEVEN INSTITUTIONS
AS OF NOVEMBER 5, 1966

Institution	FTE Enrollment, Fall Term 1966	Instruction (Including P.E.)	Research	General Administration	Libraries & Museums	Aux. Enterprises, Health Services, Student Union, etc.	Other (Including Phys. Plant, Student Serv.)	Total
A. Total Assignable Square Foot Areas								
EOC		98,463	1,355	7,671	13,881	14,956	25,646	161,972
OCE		123,225	7,355	13,278	18,745	32,607	29,229	224,439
OSU		867,164	255,797	46,165	124,774	265,559	195,624	1,755,083(1)
SOC		142,398	-	9,140	21,603	30,437	12,105	215,683
UO		466,184	100,866	30,153	211,833	199,146	137,920	1,146,102
PSC		313,180	13,730	19,110	31,832	251,626	52,949	682,427
OTI		158,649	513	4,913	7,949	7,997	19,447	199,468
Totals		2,169,263	379,616	130,430	430,617	802,328	472,920	4,385,174(1)
B. Average Assignable Square Foot Areas per FTE Student During Fall Term 1966								
EOC	1,450	67.9	0.9	5.3	9.6	10.3	17.7	111.7
OCE	2,354	52.3	3.1	5.6	8.0	13.9	12.4	95.3
OSU	12,628	68.7	20.2	3.7	9.9	21.0	15.5	139.0(2)
SOC	3,141	45.3	-	2.9	6.9	9.7	3.9	68.7
UO	12,043	38.7	8.4	2.5	17.6	16.5	11.5	95.2
PSC	7,542	41.5	1.8	2.6	4.2	33.4	7.0	90.5
OTI	1,005	157.8	0.5	4.9	7.9	8.0	19.4	198.5
Totals	40,163	54.0	9.5	3.2	10.7	20.0	11.8	109.2(2)

(1) By including 382,903 sq. ft. of space categorized as Federal Cooperative Extension and Agricultural Experiment Station, the Oregon State University total equals 2,137,986 sq. ft. and increases the total for the seven institutions from 4,385,174 sq. ft. to 4,768,077 sq. ft.

(2) Including the space explained in (1) above increases the average assignable area per FTE for Oregon State University from 139.0 sq. ft./FTE to 169.3 sq. ft./FTE and the overall average for the seven institutions from 109.2 sq. ft./FTE to 118.7 sq. ft./FTE student.

has a direct relationship with the allocation of assignable space. As an example, the amount of research space is substantially larger at Oregon State University and the University of Oregon than at the other institutions because of the nature of their graduate instruction and research programs. Areas used by the staffs of the Division of Continuing Education and the Board's office are included under the appropriate functional classifications.

The relationship of the average assignable square foot areas for each of the major functional classifications to the total assignable space available at each institution has been illustrated in Table VI and Figure 3.

FIGURE 3

PERCENTAGE DISTRIBUTION OF TOTAL ASSIGNABLE AREA--BY PRINCIPAL USE OF NONRESIDENTIAL FACILITIES AT SEVEN INSTITUTIONS, AS OF NOVEMBER 5, 1966

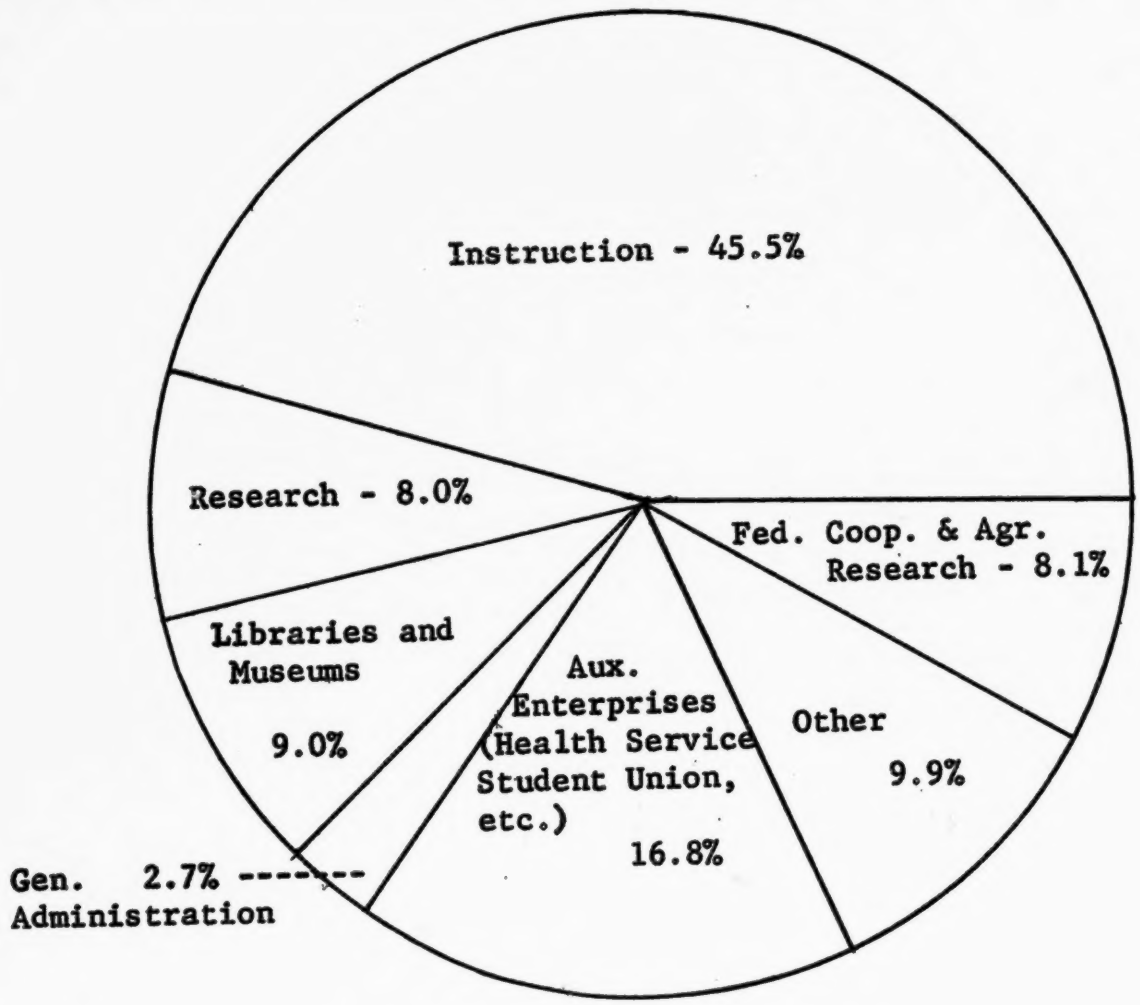

Instruction - 45.5%
Research - 8.0%
Fed. Coop. & Agr. Research - 8.1%
Libraries and Museums 9.0%
Aux. Enterprises (Health Service Student Union, etc.) 16.8%
Other 9.9%
Gen. Administration 2.7%

TABLE VI

OREGON STATE SYSTEM OF HIGHER EDUCATION

PERCENTAGE OF TOTAL ASSIGNABLE AREA
BY PRINCIPAL USE OF NONRESIDENTIAL FACILITIES AT SEVEN INSTITUTIONS
AS OF NOVEMBER 5, 1966

Institution	Instruction (Including P.E.)	Research	General Administration	Libraries & Museums	Aux. Enterprises (Health Services, Student Union, etc.)	Other (Including Phys. Plant, Student Serv.)	Total
EOC	60.8%	0.8%	4.7%	8.6%	9.3%	15.8%	100.0%
OCE	54.9	3.3	5.9	8.4	14.5	13.0	100.0
OSU	40.6	12.0	2.2	5.8	12.4	9.1	82.1(1)
SOC	66.0	-	4.2	10.0	14.1	5.7	100.0
UO	40.7	8.8	2.6	18.5	17.4	12.0	100.0
PSC	45.9	2.0	2.8	4.7	36.9	7.7	100.0
OTI	79.5	0.3	2.5	4.0	4.0	9.7	100.0
Average	45.5	8.0	2.7	9.0	16.8	9.9	91.9(1)

(1) At Oregon State University, 17.9% of the assignable area is devoted to Federal Cooperative Extension and Agricultural Experiment Station. By including such areas within the totals for the seven institutions shown above, the average area would be increased from 91.9% to 100%.

Comparisons with Institutions Outside Oregon

Table VII has been prepared to indicate distributions of space by principal use categories at seven of the nine institutions of the Oregon State System of Higher Education compared with information from other institutions. Exact comparisons are difficult because of the different classifications used by other state systems or individual institutions. However, the latest figures available from the U. S. Office of Education, which have been listed in Table VII, would seem to indicate that classroom space within the state-supported colleges and universities in Oregon is approximately one-half of the area generally considered to be adequate for each full-time equivalent student. Similarly, laboratory space at the Oregon institutions is much less than that indicated by the national average (12.3 for the Oregon schools compared with the national average of 20.1 square feet per FTE student). In general, Oregon institutions rank below the averages reported by the U. S. Office of Education for assignable square foot areas per FTE student and appear to be utilizing the available instructional facilities to a very high degree.

TABLE VII

COMPARISON OF ASSIGNABLE SQUARE FEET AREAS WITHIN SEVEN INSTITUTIONS
OF THE OREGON STATE SYSTEM OF HIGHER EDUCATION
WITH THOSE OF OTHER SCHOOLS

Institution	Total Assignable Sq. Ft./FTE	Classrooms	Laboratories	Libraries	P.E. & Gym.
Oklahoma State University	163.4(2)				
University of Illinois	148.2(2)	11.4	18.8	9.2	
Big Ten University	146.3(2)				
Big Ten University	141.3(2)				
Pacific Coast University	133.9(1)(2)	10.7	8.7	10.7	10.7
EOC	111.7	7.9	14.0	9.6(4)	19.5
OCE	95.3	7.2	5.1	8.0	7.6
OSU	169.3	8.2	16.8	9.9	5.8
SOC	68.7	7.3	6.6	6.9	10.3
UO	95.2	7.1	5.3	17.6(4)	6.8
PSC	90.5	7.3	8.4	4.2	7.5
OTI	198.5	6.9	101.5	7.9	23.1
7 Institutions	118.7	7.5	12.3	10.7	7.82
U.S. Office of Education Average (3)		14.5	20.1	10.2	9.9

(1) Contains areas in Medical School and Teaching Hospital.
(2) Utilization of Space, University Architect's Office, University of Washington, Seattle, Washington, June 6, 1966.
(3) U. S. Department of Health, Education, and Welfare (Office of Education), College and Universities Facilities Survey, Part 3, U.S. Government Printing Office, 1965, pp. 162-201.
(4) Includes space used as libraries and museums. Without the space for museums, Oregon State University would average 7.9 sq.ft./FTE student and University of Oregon would average 15.3 sq.ft./FTE student.

III

SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES

Introduction

The statistical data for the Fall Term 1966 Space Utilization Study were obtained from "Reports of Service" prepared by faculty members at each of the institutions within the Oregon State System of Higher Education. These "Reports of Service" were reviewed by staff in the institution's Office of Institutional Research and then were submitted to the Board's Office of Institutional Research where the data were converted to magnetic tape and processed on computer facilities to produce the utilization data and analysis.

The data contained in this study exclude scheduled use of gymnasiums, other physical education activity areas and ROTC drill areas, as well as classroom and laboratory hours not scheduled by the institutional Registrar's Office. Also excluded are hours scheduled for VISTA and Peace Corps programs at the University of Oregon and Portland State College respectively. Finally, the data do not include classroom and laboratory hours scheduled in temporary facilities such as war-surplus structures, some quonset huts, conference rooms, faculty offices, etc.

In interpreting the data relative to the scheduled occupancy of classrooms and laboratories, it is important to point out that the area of such spaces constitutes only a relatively small percentage of the net usable area available within the various facilities of each college or university (See Summary XIII in the Appendix). For example, in the seven institutions (other than the Medical and Dental Schools), only 7 percent of the total nonresidential space is identified as classrooms. The range

of these percentages for the seven schools is from 2.4% to 12.6% with a median of 6.4%. When the data for the University of Oregon Medical and Dental Schools are included, the mean percentage of classroom space decreases to 6.4% of the total net usable nonresidential areas for the nine institutions.

Approximately 13.8% of the total net usable nonresidential space at the seven schools is assigned for teaching laboratories, ranging from 6.9% to 31.1% with a median of 9.3%. When teaching laboratory space at both the University of Oregon Medical and Dental Schools is included, the mean average percentage decreases to approximately 13.7%.

Additively, the space for both classrooms and laboratories would have a mean percentage of approximately 20.8% of the total net usable nonresidential space at all nine of the institutions, ranging from 13.8% to 33.5% with a median of 20.3%. Conservatively, if the total net usable area of all facilities (residential and nonresidential) were to be considered in these percentages, it is probable that classrooms and laboratories would account for less than 15% of the space.

Space Utilization Objectives

The Oregon State Board of Higher Education has adopted Space Use Objectives and Building Planning Standards as one of its policies in planning for new facilities. The following are the objectives substantially as adopted by the Board on July 26, 1960, and reaffirmed at the June 12, 1962, meeting:

A. Room use:

Classrooms - The expected utilization of classroom space at each institution shall be at the maximum practicable level. The objective shall be to achieve an average classroom use of 30 scheduled hours per week (representing 70 percent

utilization of rooms during a 44-hour week), except where special conditions at a particular institution justify a different objective.

Laboratories - The expected utilization of teaching laboratories at each institution shall be at the maximum practicable level. The objective shall be to achieve an average laboratory use of 20 scheduled hours per week (representing 45 percent utilization of rooms during a 44-hour week), except where special conditions at a particular institution justify a different objective.

B. Student Station Use:

Classrooms - Average use of 18 scheduled hours per week (representing 60 percent of the 30 hours of room use indicated above, which is equal to approximately 41 percent utilization during a 44-hour week).

Laboratories - Average use of 16 scheduled hours per week (representing 80 percent of the 20 hours of laboratory use indicated above, which is equal to approximately 36 percent utilization during a 44-hour week).

C. Physical Education Activity Areas:

The expected utilization of each teaching station for scheduled sections of physical education instruction shall not be less than 30 hours per week.

It is anticipated that these objectives of room and student station use shall apply to the fall term when enrollments are slightly higher than those of other terms of the academic year.

For convenience, and in conformity with recent space use studies of other institutions, the analysis reflected hereinafter compares the scheduled occupancy of classrooms and laboratories with a basic 45-hour week rather than a 44-hour week.

Classrooms

The data for classroom facilities (indicated within Table VIII and on the Summaries in the Appendix) are based upon an analysis of 399 rooms containing 22,004 student stations which were scheduled for use during the Fall Term 1966. The increase of 23 classrooms from Fall Term 1965 (Summary I - Appendix) is the net result of (1) the addition of classrooms by construction of new facilities, remodeling, conversion from laboratory use, the reassignment of space and (2) the deletion of classrooms through conversion to research and office facilities, remodeling, reassignment of space, and other causes.

Table VIII indicates data pertaining to classrooms and classroom student stations for seven institutions in the State System of Higher Education. The last column, which indicates the average hours of scheduled occupancy, has been computed for each institution by dividing the total hours of scheduled occupancy of classrooms or classroom student stations per week by the respective number of classrooms or classroom student stations. For example, at Eastern Oregon College there were 535 total hours of scheduled occupancy in 17 permanent classrooms during a week in the Fall Term 1966 resulting in an average of 31.5 hours of scheduled occupancy per week in each classroom. The 32.1 average hours of scheduled occupancy of classrooms per week and the 20.3 average hours of scheduled occupancy of classroom student stations per week, which may be noted from Table VIII, represent the average for the seven institutions and both figures are above the minimum objectives adopted by the State Board of Higher Education.

As may be noted from Summary I in the Appendix, the increase in the total and average hours of scheduled occupancy in both classrooms and classroom student stations when compared with the Fall Term 1965 is due

TABLE VIII

OREGON STATE SYSTEM OF HIGHER EDUCATION
COMPARISON OF SCHEDULED OCCUPANCY IN CLASSROOMS AND CLASSROOM STUDENT STATIONS
DURING FALL TERM 1966

Institution	FTE Enrollment	Number of Rooms	Total Area (sq.ft.)	Average Area per FTE Student	Total Hours Sched. Occupancy Per Week	Average Hours Sched. Occupancy Per Week
CLASSROOMS						
Eastern Oregon College	1,450	17	11,465	7.9	535	31.5
Oregon College of Education	2,354	26	17,057	7.2	682	26.2
Oregon State University	12,628	122	103,937	8.2	3,713	30.4
Southern Oregon College	3,141	40	22,995	7.3	1,360	34.0
University of Oregon	12,043	105	84,945	7.1	3,569	34.0
Portland State College	7,542	76	55,293	7.3	2,556	33.6
Oregon Technical Institute	1,005	13	6,960	6.9	392	30.2
TOTAL	40,163	399	302,652	7.5	12,807	32.1

Institution	Number of Student Stations	Average No. of Student Stations per FTE Student	Total Hours Sched. Occupancy Per Week	Average Hours Sched. Occupancy Per Week
CLASSROOM STUDENT STATIONS				
Eastern Oregon College	837	0.58	14,530	17.4
Oregon College of Education	1,247	0.53	23,522	18.9
Oregon State University	7,304	0.58	132,974	18.2
Southern Oregon College	1,572	0.50	37,695	24.0
University of Oregon	6,505	0.54	143,569	22.1
Portland State College	4,107	0.54	86,141	21.0
Oregon Technical Institute	432	0.43	8,591	19.9
TOTAL	22,004	0.55	447,022	20.3

primarily to the enrollment of an additional 2,266 full-time equivalent students. The increase in the total scheduled hours of classroom occupancy was greater than the percentage increase in enrollment (8.7% for hours vs. 6.0% for enrollment). Some of the difference may be due to the scheduling of larger sections, which in some cases represented an over-crowding of classes, and to certain curriculum changes or scheduling factors which resulted in more class hours and fewer laboratory periods.

If an additional 581 room hours and 16,434 student station hours scheduled in temporary classroom spaces had been scheduled in regular classroom facilities, the average hours of scheduled weekly occupancy would have been 33.6 instead of 32.1. Similarly, classroom student station hours would have been 21.1 instead of 20.3 hours per week.

As indicated previously, the minimum objectives adopted by the Board of Higher Education on July 26, 1960, for average hours of scheduled occupancy are 30 hours per week for classrooms and 18 hours per week for classroom student stations. Whereas these same objectives were recommended to the California State Board of Education and the Regents of the University of California by the Master Plan Survey Team in its report of February, 1960, entitled, "A Master Plan for Higher Education in California, 1960-1975," and are those generally accepted as minimum objectives throughout the United States, the California Coordinating Council subsequently has recommended new "components" rather than "standards." These "components" are similar to the objectives used by the institutions and the Board's office in planning for new facilities in Oregon. The 1967-1969, 1969-1971 and 1971-1973 construction programs presented to the Governor's office prior to the 1967 Oregon Legislature were based upon the assumption that classrooms would be scheduled at least 33 hours a week and that classroom student stations would be scheduled on the average, at least 20 hours per week.

Laboratories

The data for laboratory facilities (indicated within Table IX and on the Summaries in the Appendix) are based upon an analysis of 405 rooms containing 10,300 student stations which were scheduled for use during the Fall Term 1966 in seven of the institutions (excluding the University of Oregon Dental and Medical Schools). The increase of 30 laboratories from Fall Term 1965 is the net result of the addition and deletion of laboratory spaces by new construction, remodeling, conversions to other uses and reassignment of spaces.

Table IX indicates data pertaining to laboratories and laboratory student stations for seven institutions in the State System of Higher Education. The last column, which indicates the average hours of scheduled occupancy, has been computed for each institution by dividing the total hours of scheduled occupancy of laboratories and laboratory student stations per week by the respective number of laboratories or laboratory student stations. For example, at Oregon College of Education there were 372 total hours of scheduled occupancy in 15 permanent classrooms during a week in the Fall Term 1966 resulting in an average of 24.8 hours of scheduled occupancy per week in each laboratory. The 20.5 average hours of scheduled occupancy of laboratories per week and the 16.0 average hours of scheduled occupancy of laboratory student stations per week which may be noted from Table IX represent the average for the seven institutions and both figures meet or exceed the minimum objectives adopted by the State Board of Higher Education.

As may be noted from Summary I in the Appendix, there was a 3.8% increase in the <u>total</u> hours of scheduled occupancy in laboratories compared with the prior year. This may be due primarily to the additional full time equivalent enrollment. The decrease that appears in the <u>average</u>

TABLE IX

OREGON STATE SYSTEM OF HIGHER EDUCATION
COMPARISON OF SCHEDULED OCCUPANCY IN LABORATORIES AND LABORATORY STUDENT STATIONS
DURING FALL TERM 1966

Institution	FTE Enrollment	Number of Laboratories	Total Area (sq.ft.)	Average Area per FTE Student	Total Hours Sched. Occupancy Per Week	Average Hours Sched. Occupancy Per Week
LABORATORIES						
Eastern Oregon College	1,450	19	20,232	14.0	344	18.1
Oregon College of Education	2,354	15	11,983	5.1	372	24.8
Oregon State University	12,628	184	212,603	16.8	3,533	19.2
Southern Oregon College	3,141	21	20,839	6.6	490	23.3
University of Oregon	12,043	61	64,406	5.3	1,231	20.2
Portland State College	7,542	68	63,386	8.4	1,360	20.0
Oregon Technical Institute	1,005	37	102,008	101.5	965	26.1
TOTAL	40,163	405	495,457	12.3	8,295	20.5

Institution	Number of Student Stations	Average No. of Student Stations per FTE Student	Total Hours Sched. Occupancy Per Week	Average Hours Sched. Occupancy Per Week
LABORATORY STUDENT STATIONS				
Eastern Oregon College	446	0.31	7,012	15.7
Oregon College of Education	381	0.16	8,441	22.2
Oregon State University	4,895	0.39	66,518	13.6
Southern Oregon College	601	0.19	11,434	19.0
University of Oregon	1,621	0.13	30,743	19.0
Portland State College	1,491	0.20	25,647	17.2
Oregon Technical Institute	865	0.86	15,199	17.6
TOTAL	10,300	0.26	164,994	16.0

scheduled occupancy of laboratories and laboratory student stations may be attributable in part to the larger number of laboratories available, to the drop in enrollment at Oregon Technical Institute, to the shifting of some required laboratory courses from the fall term to winter term and to various curriculum changes that took place in some institutions.

If an additional 381 room hours and 7,477 student station hours scheduled in temporary spaces had been scheduled in regular facilities, the average hours of scheduled weekly occupancy in laboratories would have been 21.4 instead of 20.5 hours, and 16.7 in lieu of 16.0 hours for laboratory student stations.

Whereas the minimum objectives adopted by the Board for average hours of scheduled occupancy, as indicated previously, are 20 hours per week for laboratories and 18 hours per week for student stations therein, the capital construction program for the next six years has anticipated scheduled occupancies of 22 hours for laboratory rooms and 16.5 hours for laboratory student stations per week.

Comparison of Average Hours of Scheduled Occupancy from 1958-1966

Data in this section of the report were taken from space use studies from years 1958 through 1966 and placed on line graphs for comparative purposes. Placed on each graph at its appropriate level is a line which represents the space use objectives of the Oregon State Board of Higher Education.

Figure 4 has been prepared to illustrate the increase in scheduled occupancy of classrooms in institutions of the Oregon State System of Higher Education, other than the Medical and Dental Schools, from 1958 to 1966.

The average hours of scheduled occupancy in permanent classrooms increased from 21.5 per week in Fall Term 1958 to 32.1 per week in the Fall Term 1966.

By including hours scheduled in temporary classrooms, the average would be increased to 33.6 hours per week in the Fall Term 1966.

It is important to point out that the utilization data illustrated in Figures 4, 5, 6 or 7 exclude hours scheduled by the Division of Continuing Education. (For a summary of such use in the Fall Term 1966, see Summary XI in the Appendix.)

Figure 5 illustrates the utilization of student stations within the classrooms included in Figure 4. By definition, a student station is comprised of the total facilities required to accommodate one person at a given time or an area where a student may be located, such as a seat, table, workbench or other space. The scheduled occupancy of the average student station is determined by dividing the total number of hours all student stations are occupied during the week by the total number of stations available.

FIGURE 4

SCHEDULED OCCUPANCY OF CLASSROOMS

1958-1966

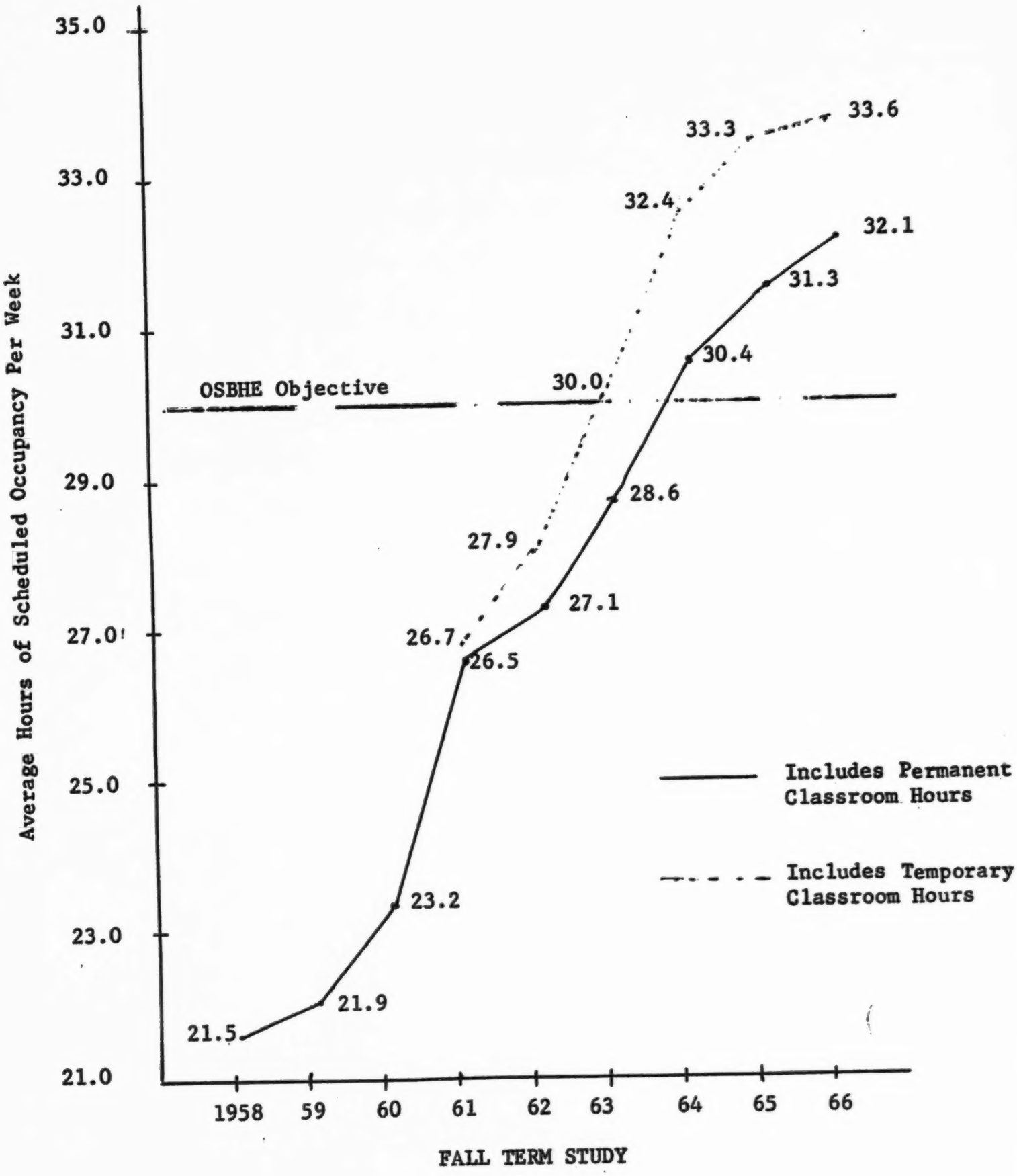
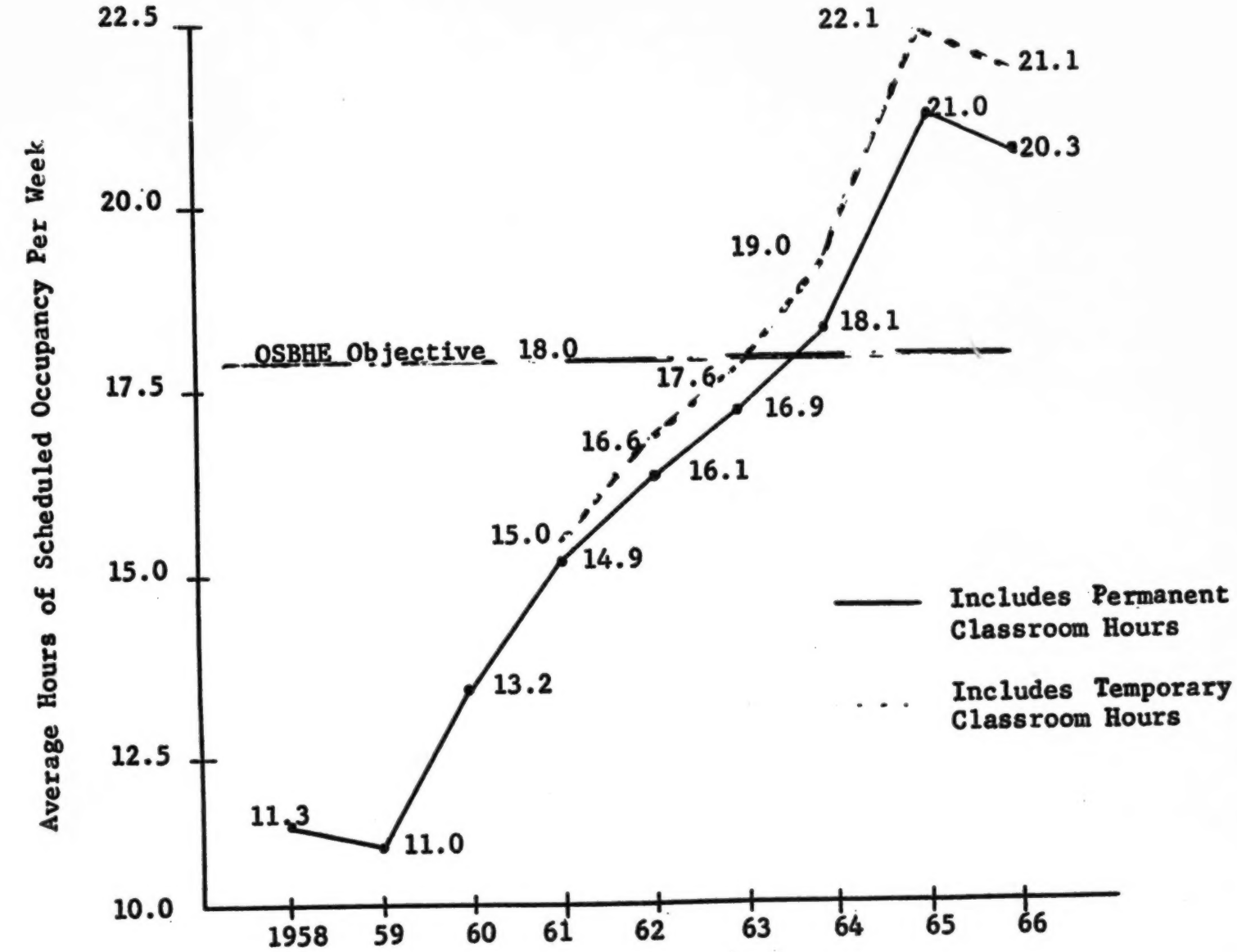


FIGURE 5

SCHEDULED OCCUPANCY OF CLASSROOM STUDENT STATIONS

1958-1966



FALL TERM STUDY

From 1958 to 1966, there was an increase in classroom student station use from 11.3 hours per week to 20.3 hours per week in permanent classrooms. By including the use of temporary classroom student stations, the average scheduled occupancy in the Fall Term 1966 would be 21.1 hours per week.

It will be noted from Figures 4 and 5 that the scheduled occupancy of classrooms and classroom student stations in the Fall Term 1966 exceeds both the minimum objectives adopted by the Oregon State Board of Higher Education.

FIGURE 6

SCHEDULED OCCUPANCY OF LABORATORIES

1958-1966

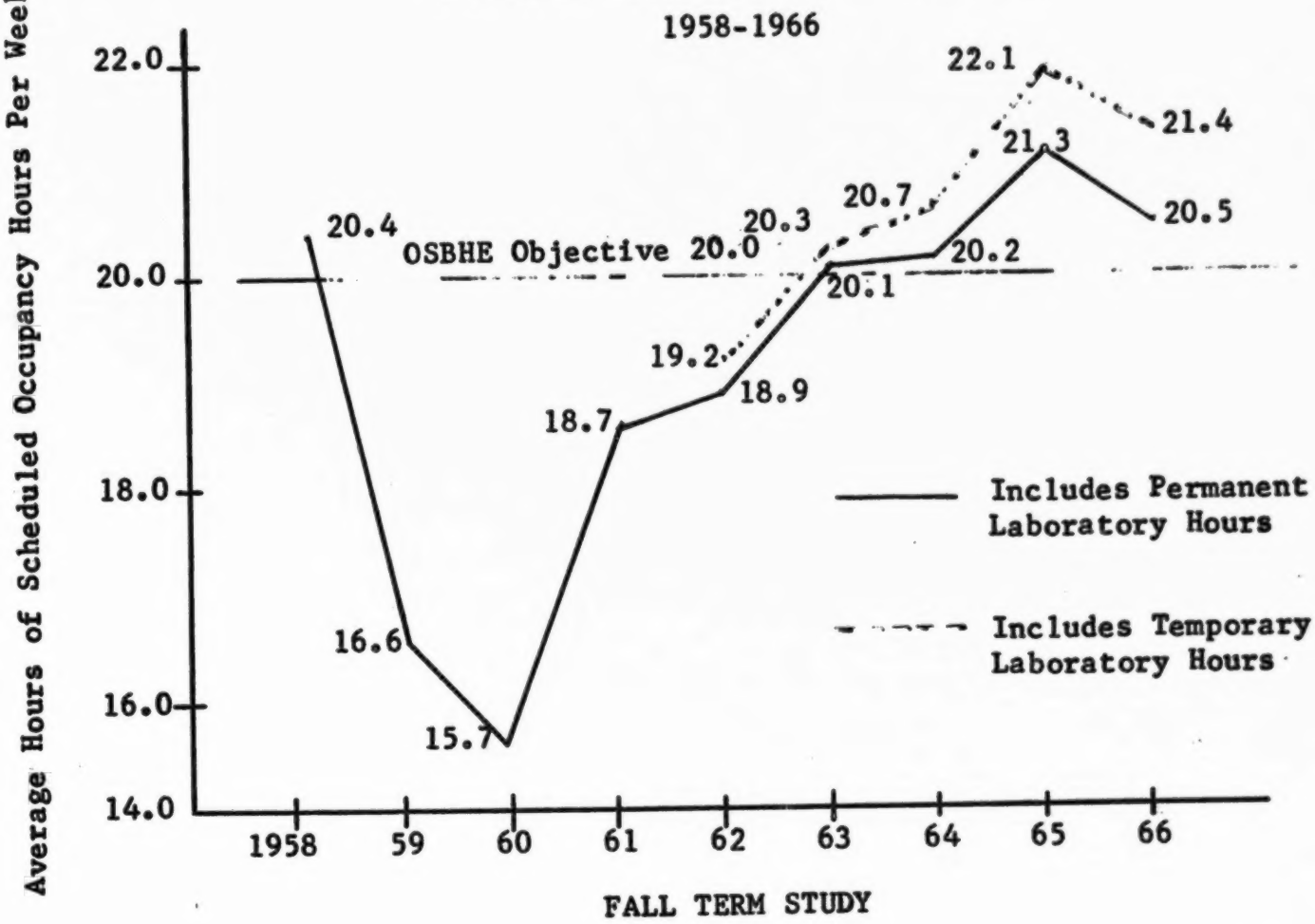


Figure 6 has been prepared to illustrate the scheduled occupancy of instructional laboratories in the institutions of the Oregon State System of Higher Education, other than the Medical and Dental Schools, from 1958 to 1966. These laboratories can be defined as special rooms used for art, drafting, music, engineering, physical and biological sciences, etc., which are subject to regular assignment by the institutional Registrar.

Although Figure 6 denotes a reduction in the scheduled occupancy of teaching laboratories from Fall Term 1948 to Fall Term 1960, marked improvement has been achieved thereafter. Based upon the scheduled use of permanent laboratories, the average was 20.5 hours per week in the Fall Term 1966. If the hours of instruction in temporary laboratories are included also, the average scheduled occupancy would be 21.4 hours per week in the Fall Term 1966.

FIGURE 7

SCHEDULED OCCUPANCY OF LABORATORY STUDENT STATIONS

1958-1966

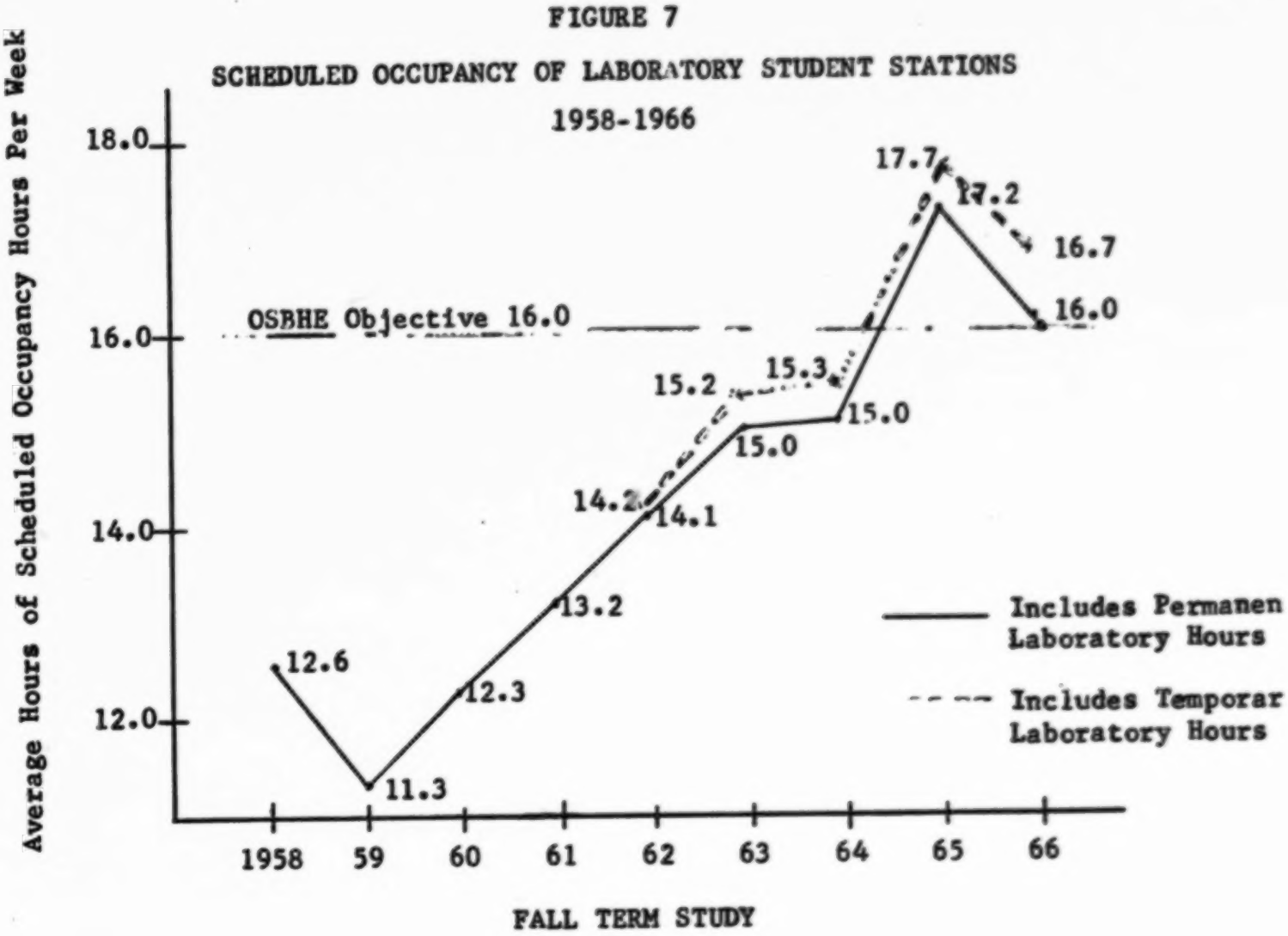


Figure 7 illustrates the average scheduled occupancy achieved in the laboratory student stations for the Fall Term studies from 1958 to 1966. The definition of a student station has been explained in the narrative of Figure 5.

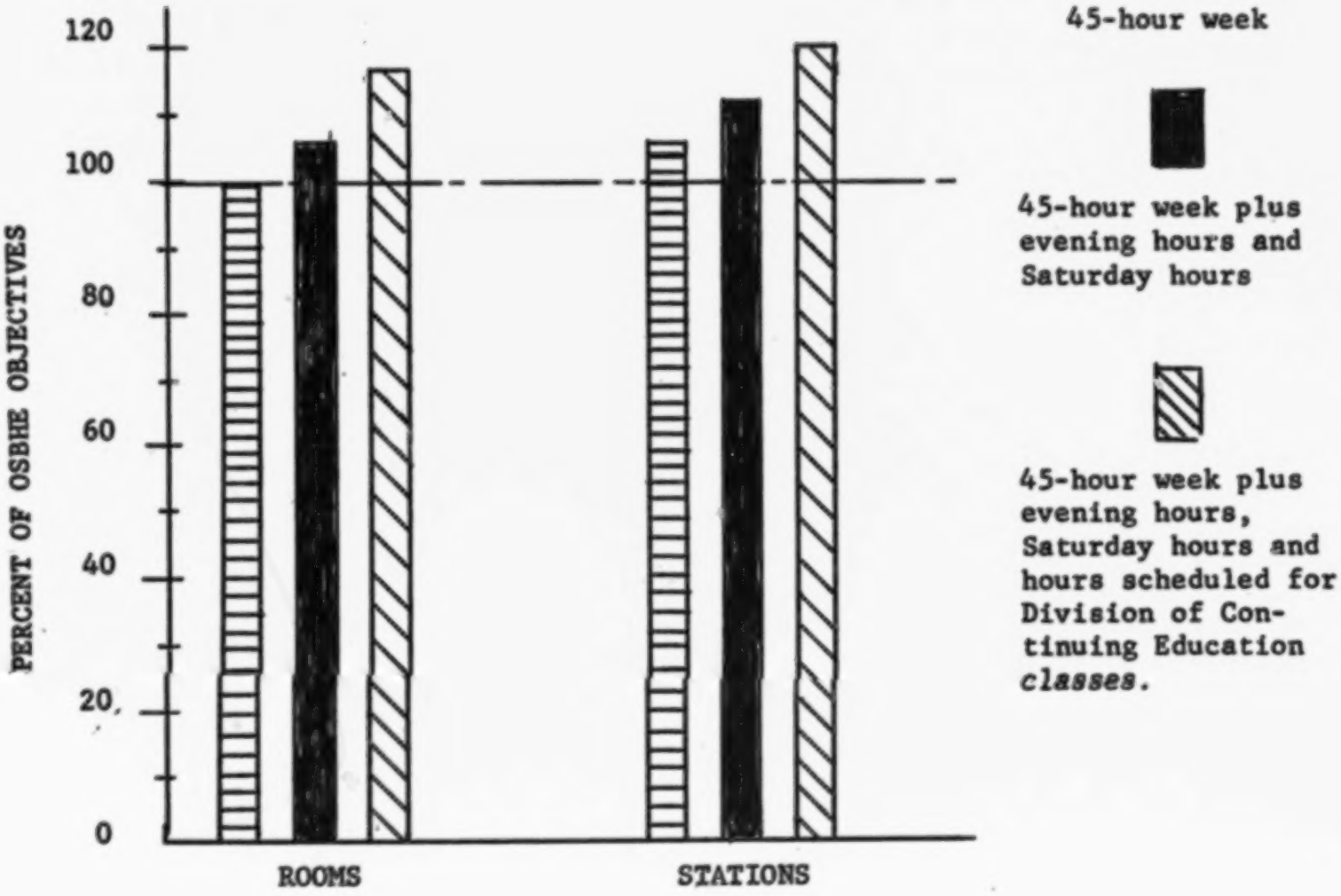
The hours per week for each year represent the total number of hours of scheduled occupancy in laboratory student stations divided by the number of laboratory student stations available. This average of scheduled occupancy of student stations in permanent laboratories was 16.0 hours per week in the Fall Term 1966. By including hours scheduled in temporary spaces, this average would increase to 16.7 hours per week.

It will be noted from Figures 6 and 7 that the scheduled occupancy of laboratories and laboratory student stations in the Fall Term 1966 meets or exceeds the minimum objectives adopted by the Oregon State Board of Higher Education.

Comparison with Oregon State Board of Higher Education Objectives

FIGURE 8

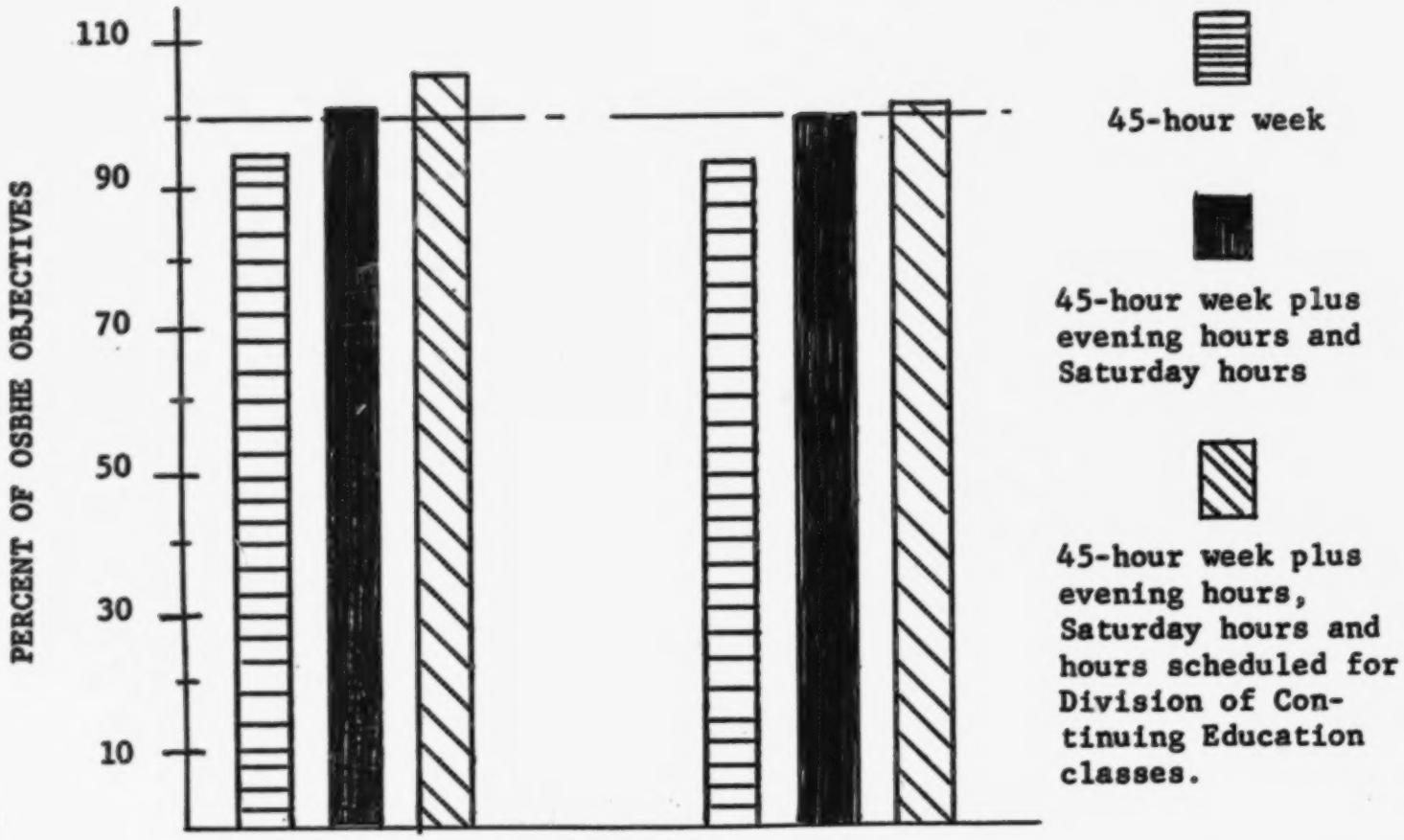
PERCENT AVERAGE HOURS OF SCHEDULED OCCUPANCY IS OF OREGON STATE BOARD OF HIGHER EDUCATION OBJECTIVES FOR CLASSROOMS AND CLASSROOM STUDENT STATIONS FALL TERM 1966



Data for Figure 8 were taken from page 1 of Summary V and Summary VI, both of which appear in the Appendix of this report. The Board's minimum objectives, as noted previously, are 30 hours of scheduled occupancy in classrooms each week and 18 hours for the average classroom student station. The graphs represent the degree to which utilization was achieved in relation to these objectives for (1) the regular 45-hour week, (2) the total hours scheduled by the institutions including evening classes and those

FIGURE 9

PERCENT AVERAGE HOURS OF SCHEDULED OCCUPANCY IS OF OREGON STATE BOARD OF HIGHER EDUCATION OBJECTIVES FOR LABORATORIES AND LABORATORY STUDENT STATIONS FALL TERM 1966



on Saturdays, and (3) the total hours of classroom and classroom student station use by the institutions and the Division of Continuing Education. In each case, for both classroom and classroom student station hours, the Board's objectives were exceeded during the Fall Term 1966.

Data for Figure 9 were taken from page 2 of Summary V and Summary VI, both of which appear in the Appendix of this report. The Board's minimum objectives, as noted previously, are 20 hours of scheduled occupancy in laboratory rooms each week and 16 hours for the average laboratory student station. The graphs represent the degree to which utilization was achieved in relation to these objectives for (1) the regular 45-hour

week, (2) the total hours scheduled by the institutions, including evening classes and those on Saturdays, and (3) the total hours of laboratory and laboratory student station use by the institutions and the Division of Continuing Education. Although the minimum objectives were not achieved during the regular 45-hour week, they were either matched or exceeded during the Fall Term 1966 in every other scheduled occupancy classification.

Comparisons with Other Institutions

Data appearing in Tables X and XI were obtained from space utilization studies conducted by various universities and state systems in the United States. The average hours of scheduled occupancy of the seven institutions in the Oregon State System of Higher Education have been compared with similar utilization data of the other institutions.

As may be noted, the tax-supported, four-year institutions of Oregon compare very favorably with the utilization achieved by the others. For example, the average utilization (hours per week) in the Oregon State System of Higher Education (7 campuses) for classrooms is 32.1 hours per week while the mean of all institutions is 28.9 hours per week and the median for all institutions is 28.7.

TABLE X

COMPARISON OF AVERAGE HOURS OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES AT VARIOUS UNIVERSITIES, COLLEGES, AND STATE SYSTEMS WITH THOSE EXPERIENCED IN THE OREGON STATE SYSTEM OF HIGHER EDUCATION

Average Utilization (Hours per week)

Institution	Date of Study	Class rooms-	Classroom Student Stations	Labora- tories	Laboratory Student Stations
Atlantic Coast State of 13 Institutions, Median	Fall 1964	20.4	13.1	15.8	12.9
Big Ten University	Fall 1965	30.3	17.9	21.9	20.8
Big Ten University(1)	Fall 1965	31.4	15.0	13.2	
Big Ten University	Fall 1965	33.0	18.5		
Big Ten University	Fall 1965	27.6	17.0	20.5	20.1
Big Ten University, including branch campuses	Fall 1965	26.6	16.8	20.2	19.7
California, University of, 5 campuses, median	Fall 1965	28.7	16.1	18.1	12.1
Colorado, University of	Fall 1963	27.9	15.6	18.3	10.6
Eastern State University	Fall 1965	31.8		19.3	
Florida State University System	Fall 1965	27.3	17.7	15.3	11.5
Illinois Public Universities, Mean	Fall 1965	31.1	18.4	18.9	14.9 (7 a.m. -10p.m.)
Illinois, University of	Fall 1965	27.8	13.4	22.9	17.1
Maryland, University of	Fall 1963	31.3		14.9	
Oklahoma, University of	Fall 1965	25.2	18.0	18.8	15.7
Oklahoma Public 4- year Colleges, 9 campuses	Fall 1965	19.9	14.2	13.5	11.0
Oklahoma State University	Fall 1965	29.2	17.6	21.3	17.3
Oregon State System of Higher Education: 7 campuses	Fall 1966	32.1	20.3	20.5	16.0
Including Division of Continuing Education hours	Fall 1966	35.1	21.7	21.3	16.6
Pacific Coast University	Fall 1965	35.0	18.1	17.3	13.9
Pacific Coast University	Fall 1965	28.4	14.2	19.8	10.9
Pacific Coast University	Fall 1966	25.2	14.0	16.3	13.1
Southwestern University	Fall 1964	36.5	20.7	18.3	14.3
Mean of all institutions		28.9	16.7	18.3	14.8
Median of all institutions		28.7	17.6	18.8	14.3
Range: High		36.5	20.7	21.9	20.8
Low		19.9	13.1	13.2	10.6

(1) Based on 40-hour week

TABLE XI

COMPARISON OF CLASSROOM AND LABORATORY USE OBJECTIVES

Institution	Class-rooms	Classroom Student Stations	Labora-tories	Laboratory Student Stations	Hours Per Week Basis
Big Ten University	30.0	18.0	20.0	16.0	
Big Ten University	30.0		18.85		40
California, University of	34.0	22.4	25.0(1)	21.3(1)	45
			20.0(2)	16.0(2)	
Colorado, University of	29.0	19.4	24.0	19.2	
Florida State System	26.0				45
Illinois Public Universities	30.0	18.0	20.0	16.0	45
Maryland, University of	30.0	23.8	25.0	16.0	55
Nebraska, University of	30.0	19.5	20.0	16.0	
Oklahoma State System	30.0	20.1	24.0	19.2	44
Oregon State System of Higher Education	30.0	18.0	20.0	16.0	45
(3) Oregon State System of Higher Education	33.0	20.0	22.0	16.5	
Pacific Coast University	30.0	18.0	20.0	16.0	49
Pacific Coast University	30.0	18.0	20.0	16.0	40
Pacific Coast University	30.0	18.0	20.0	16.0	*
Wisconsin, University of	30.0	20.1	24.0	19.2	

*All hours of the week are included in meeting the utilization objectives at these institutions.

(1) Lower division

(2) Upper division

(3) The capital construction program for 1967-1969, 1969-1971, and 1971-1973 used these objectives as a guide for planning and construction needs.

OREGON STATE BOARD OF HIGHER EDUCATION

CLASSROOM AND INSTRUCTIONAL LABORATORY SPACE UTILIZATION REPORT SUMMARIES,
FALL TERM 1966

Index

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II	Summary of Classroom & Laboratory Utilization Data, Fall Term 1966
III	Summary Comparison of Total Hours of Scheduled Occupancy of Classrooms & Laboratories per Week, Fall Terms 1965 & 1966
IV	Summary Comparison of Average Hours of Scheduled Occupancy of Classrooms & Laboratories, Fall Terms 1965 & 1966
V	Summary Report of Scheduled Occupancy of Classrooms & Laboratories during Specified Intervals, Fall Term 1966
VI	Summary Report of Scheduled Occupancy of Student Stations during Specified Intervals, Fall Term 1966
VII	Summary of Scheduled Occupancy of Classrooms & Laboratories, Fall Term 1966
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IX	Classroom & Laboratory Utilization Data, Fall Term 1966, University of Oregon Dental School & University of Oregon Medical School
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XI	Summary Comparison of Total Hours of Scheduled Occupancy, Division of Continuing Education, Fall Terms 1965 & 1966
XII	Summary of Hours of Scheduled Occupancy per Week, Institutional & Division of Continuing Education, Fall Term 1966

Office of Business Affairs
March 16, 1967

OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY COMPARISON OF CLASSROOM AND LABORATORY SCHEDULED OCCUPANCY AND OTHER UTILIZATION DATA, FALL TERMS 1965 AND 1966 (EOC, OCE, OSU, SOC, UO, PSC, & OTI)

		1965	1966	Increase (Decrease)	% Increase (Decrease)
I.	Enrollment (Full-time equivalent)	37,897	40,163	2,266	6.0%
II.	Classrooms:				
	a. Number of rooms	376	399	23	-
	b. Total square foot area	281,506	302,652	21,146	-
	c. Average area per FTE student	7.4	7.5	0.1	-
	d. Total number of student stations	20,321	22,004	1,683	-
	e. Average number of student stations per FTE student	0.54	0.55	0.01	-
	f. Average area per student station	13.9	13.8	(0.1)	-
	g. Total hours of scheduled occupancy of classrooms per week	11,782	12,807	1,025	8.7%
	h. Average hours of scheduled occupancy of classrooms per week	31.3	32.1	0.8	2.6%
	i. Total hours of scheduled occupancy of classroom student stations per week	425,917	447,022	21,105	5.0%
	j. Average hours of scheduled occupancy of classroom student stations per week	21.0	20.3	(0.7)	(3.3%)
	k. Space factor: assignable sq. ft. per 100 student station hours	66.1	67.7	1.6	2.4%
III.	Laboratories:				
	a. Number of rooms	375	405	30	-
	b. Total square foot area	477,867	495,457	17,590	-
	c. Average area per FTE student	12.6	12.3	(0.3)	-
	d. Total number of student stations	9,819	10,300	481	-
	e. Average number of student stations per FTE student	0.26	0.26	-	-
	f. Average area per student station	48.7	48.1	(0.6)	-
	g. Total hours of scheduled occupancy of laboratories per week	7,992	8,295	303	3.8%
	h. Average hours of scheduled occupancy of laboratories per week	21.3	20.5	(0.8)	(3.8%)
	i. Total hours of scheduled occupancy of laboratory student stations per week	168,778	164,994	(3,784)	(2.2%)
	j. Average hours of scheduled occupancy of laboratory student stations per week	17.2	16.0	(1.2)	(7.0%)
	k. Space factor: assignable sq. ft. per 100 student station hours	283.1	300.3	17.2	6.1%

Office of Business Affairs
March 16, 1967

OREGON STATE BOARD OF HIGHER EDUCATIO
SUMMARY OF CLASSROOM AND LABORATORY UTILIZATION DATA

		EOC	OCE	OSU	
I.	ENROLLMENT (full-time equivalent)	1,450	2,354	12,628	3
II.	CLASSROOMS:				
	a. Number of rooms	17	26	122	
	b. Total sq. ft. area	11,465	17,057	103,937	22
	c. Average area per FTE student	7.9	7.2	8.2	
	d. Total no. of student stations	837	1,247	7,304	1
	e. Average No. of student stations per FTE student	0.58	0.53	0.58	
	f. Average area per student station	13.7	13.7	14.2	
	g. Total hrs. of scheduled occupancy of classrooms per week	535	682	3,713	1
	h. Average hrs. of scheduled occupancy of classrooms per week	31.5	26.2	30.4	
	i. Total hrs. of scheduled occupancy of classroom student stations per week	14,530	23,522	132,974	37
	j. Average hrs. of scheduled occupancy of classroom student stations per week	17.4	18.9	18.2	
	k. Space factor: assignable sq. ft. per 100 student station hrs.	78.9	72.5	78.2	
III.	LABORATORIES:				
	a. Number of rooms	19	15	184	
	b. Total sq. ft. area	20,232	11,983	212,603	2
	c. Average area per FTE student	14.0	5.1	16.8	
	d. Total no. of student stations	446	381	4,895	
	e. Average no. of student stations per FTE student	0.31	0.16	0.39	
	f. Average area per student station	45.4	31.5	43.4	
	g. Total hrs. of scheduled occupancy of laboratories per week	344	372	3,533	
	h. Average hrs. of scheduled occupancy of laboratories per week	18.1	24.8	19.2	
	i. Total hrs. of scheduled occupancy of lab. student stations per week	7,012	8,441	66,518	
	j. Average hrs. of scheduled occupancy of lab. student stations per week	15.7	22.2	13.6	
	k. Space factor: assignable sq. ft. per 100 student station hours	288.5	142.0	319.6	

Summary II

E BOARD OF HIGHER EDUCATION
ABORATORY UTILIZATION DATA, FALL TERM 1966

OCE	OSU	SOC	UO	PSC	OTI	TOTAL
2,354	12,628	3,141	12,043	7,542	1,005	40,163
26	122	40	105	76	13	399
17,057	103,937	22,995	84,945	55,293	6,960	302,652
7.2	8.2	7.3	7.1	7.3	6.9	7.5
1,247	7,304	1,572	6,505	4,107	432	22,004
0.53	0.58	0.50	0.54	0.54	0.43	0.55
13.7	14.2	14.6	13.1	13.5	16.1	13.8
682	3,713	1,360	3,569	2,556	392	12,807
26.2	30.4	34.0	34.0	33.6	30.2	32.1
23,522	132,974	37,695	143,569	86,141	8,591	447,022
18.9	18.2	24.0	22.1	21.0	19.9	20.3
72.5	78.2	61.0	59.2	64.2	81.0	67.7
15	184	21	61	68	37	405
11,983	212,603	20,839	64,406	63,386	102,008	495,457
5.1	16.8	6.6	5.3	8.4	101.5	12.3
381	4,895	601	1,621	1,491	865	10,300
0.16	0.39	0.19	0.13	0.20	0.86	0.26
31.5	43.4	34.7	39.7	42.5	117.9	48.1
372	3,533	490	1,231	1,360	965	8,295
24.8	19.2	23.3	20.2	20.0	26.1	20.5
8,441	66,518	11,434	30,743	25,647	15,199	164,994
22.2	13.6	19.0	19.0	17.2	17.6	16.0
142.0	319.6	182.3	209.5	247.1	671.1	300.3

Office of Business Affairs
March 16, 1967 - Revised, 4-27-67

OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY COMPARISON OF TOTAL HOURS OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES PER WEEK, FALL TERMS 1965 AND 1966

Institution	F.T.E. Enrollment	Classrooms		Laboratories	
		Room Hours	Student Station Hours	Room Hours	Student Station Hours
Eastern Oregon College:					
1966	1,450	535	14,530	344	7,012
1965	1,330	526	14,519	284	5,483
Increase or (decrease)	120	9	11	60	1,529
% Increase or (decrease)	9.0%	1.7%	0.08%	21.1%	27.9%
Oregon College of Education:					
1966	2,354	682	23,522	372	8,441
1965	1,940	573	19,569	301	6,837
Increase or (decrease)	414	109	3,953	71	1,604
% Increase or (decrease)	21.3%	19.0%	20.2%	23.6%	23.5%
Oregon State University:					
1966	12,628	3,713	132,974	3,533	66,518
1965	11,726	3,364	122,643	3,562	71,832
Increase or (decrease)	902	349	10,331	(29)	(5,314)
% Increase or (decrease)	7.7%	10.4%	8.4%	(0.8%)	(7.4%)
Southern Oregon College:					
1966	3,141	1,360	37,695	490	11,434
1965	2,890	1,236	34,493	512	11,024
Increase or (decrease)	251	124	3,202	(22)	410
% Increase or (decrease)	8.7%	10.0%	9.3%	(4.3%)	3.7%
University of Oregon:					
1966	12,043	3,569	143,569	1,231	30,743
1965	11,280	3,458	138,251	1,205	28,320
Increase or (decrease)	763	111	5,318	26	2,423
% Increase or (decrease)	6.8%	3.2%	3.8%	2.2%	8.6%
Portland State College:					
1966	7,542	2,556	86,141	1,360	25,647
1965	7,563	2,224	86,420	1,272	27,892
Increase or (decrease)	(21)	332	(279)	88	(2,245)
% Increase or (decrease)	(0.3%)	14.9%	(0.3%)	6.9%	(8.0%)
Oregon Technical Institute:					
1966	1,005	392	8,591	965	15,199
1965	1,168	401	10,022	856	17,390
Increase or (decrease)	(163)	(9)	(1,431)	109	(2,191)
% Increase or (decrease)	(14.0%)	(2.2%)	(14.3%)	12.7%	(12.6%)
TOTAL:					
1966	40,163	12,807	447,022	8,295	164,994
1965	37,897	11,782	425,917	7,992	168,778
Increase or (decrease)	2,266	1,025	21,105	303	(3,784)
% Increase or (decrease)	6.0%	8.7%	5.0%	3.8%	(2.2%)

Office of Business Affairs
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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY COMPARISON OF AVERAGE HOURS OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES PER WEEK, FALL TERMS 1965 AND 1966

Institution	Classrooms		Laboratories	
	Room Hours	Student Station Hours	Room Hours	Student Station Hours
Eastern Oregon College:				
1966	31.5	17.4	18.1	15.7
1965	25.0	14.8	15.8	12.9
Increase or (decrease)	6.5	2.6	2.3	2.8
% 1966 average is of objective	105.0%	96.7%	90.5%	98.1%
Oregon College of Education:				
1966	26.2	18.9	24.8	22.2
1965	26.0	19.3	20.1	18.4
Increase or (decrease)	0.2	(0.4)	4.7	3.8
% 1966 average is of objective	87.3%	105.0%	124.0%	138.8%
Oregon State University:				
1966	30.4	18.2	19.2	13.6
1965	29.8	18.1	20.5	15.1
Increase or (decrease)	0.6	0.1	(1.3)	(1.5)
% 1966 average is of objective	101.3%	101.1%	96.0%	85.0%
Southern Oregon College:				
1966	34.0	24.0	23.3	19.0
1965	34.3	25.1	24.4	18.3
Increase or (decrease)	(0.3)	(1.1)	(1.1)	0.7
% 1966 average is of objective	113.3%	133.3%	116.5%	118.8%
University of Oregon:				
1966	34.0	22.1	20.2	19.0
1965	33.6	21.8	19.8	17.5
Increase or (decrease)	0.4	0.3	0.4	1.5
% 1966 average is of objective	113.3%	122.8%	101.0%	118.8%
Portland State College:				
1966	33.6	21.0	20.0	17.2
1965	33.2	25.7	25.4	23.2
Increase or (decrease)	0.4	(4.7)	(5.4)	(6.0)
% 1966 average is of objective	112.0%	116.7%	100.0%	107.5%
Oregon Technical Institute:				
1966	30.2	19.9	26.1	17.6
1965	28.6	21.9	23.8	20.5
Increase or (decrease)	1.6	(2.0)	2.3	(2.9)
% 1966 average is of objective	100.7%	110.6%	130.5%	110.0%
TOTAL:				
1966	32.1	20.3	20.5	16.0
1965	31.3	21.0	21.4	17.2
Increase or (decrease)	0.8	(0.7)	(0.9)	(1.2)
% 1966 average is of objective	107.0%	112.8%	102.5%	100.0%

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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY REPORT OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES DURING SPECIFIED INTERVALS, FALL TERM 1966

A. Classrooms (399)

Scheduled Occupancy by Hour of the Day (7 Institutions)

Hour	Total Hours of Scheduled Occupancy per Week	% of Rooms Scheduled per Week	Average Hours of Scheduled Occupancy per Week	% Average is Minimum Objective of 30 H per Week
8 a.m.	1,337	67,0		
9	1,606	80.5		
10	1,631	81.8		
11	1,638	82.1		
Subtotal, morning hours	6,212	77.8		
12	967	48.5		
1 p.m.	1,468	73.6		
2	1,473	73.8		
3	1,239	62.1		
4	654	32.8		
Subtotal, afternoon hours	5,801	58.2		
Subtotal, 45-hour week	12,013	66.9	30.1	100.3
Saturday hours	185			
Other hours	609			
Total hours, 7 institutions	12,807		32.1	107.0
Continuation Centers hours	1,182			
Total hours, 7 institutions and Continuation Centers	13,989		35.1	117.0

Scheduled Occupancy by Day of the Week (7 institutions only)

Day	Total Hours of Scheduled Occupancy	% of Rooms Scheduled
Monday	2,682	74.7
Tuesday	2,162	60.2
Wednesday	2,627	73.2
Thursday	2,028	56.5
Friday	2,514	70.0
Subtotal, 45-hour week	12,013	66.9
Saturday morning	182	
Saturday afternoon	3	
Other hours	609	
Total	12,807	

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B. Laboratories (405)

Scheduled Occupancy by Hour of the Day (7 Institutions)

Hour	Total Hours of Scheduled Occupancy per Week	% of Rooms Scheduled per Week	Average Hours of Scheduled Occupancy per Week	% Average is of Minimum Objective of 20 Hours per Week
8 a.m.	680	33.6		
9	927	45.8		
10	986	48.7		
11	897	44.3		
Subtotal, morning hours	3,490	43.1		
12	219	10.8		
1 p.m.	909	44.9		
2	1,228	60.6		
3	1,092	53.9		
4	796	39.3		
Subtotal, afternoon hours	4,244	41.9		
Subtotal, 45-hour week	7,734	42.4	19.1	95.5
Saturday hours	138			
Other hours	423			
Total hours, 7 institutions	8,295		20.5	102.5
Continuation Centers hours	334			
Total hours, 7 institutions and Continuation Centers	8,629		21.3	106.5

Scheduled Occupancy by Day of the Week (7 institutions only)

Day	Total Hours of Scheduled Occupancy	% of Rooms Scheduled
Monday	1,418	38.9
Tuesday	1,719	47.2
Wednesday	1,517	41.6
Thursday	1,763	48.4
Friday	1,317	36.1
Subtotal, 45-hour week	7,734	42.4
Saturday morning	138	
Other hours	423	
Total	8,295	

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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY REPORT OF SCHEDULED OCCUPANCY OF STUDENT STATIONS DURING SPECIFIED INTERVALS, FALL TERM 1966

A. Classroom Student Stations (22,004)

Scheduled Occupancy by Hour of the Day (7 Institutions)

Hour	Total Hours of Scheduled Occupancy per Week	% of Student Stations Scheduled per Week	Average Hours of Scheduled Occupancy per Week	% Average is of Minimum Objective of 18 Hours per Week
8 a.m.	50,757	46.1		
9	60,842	55.3		
10	63,382	57.6		
11	64,419	58.6		
Subtotal, morning hours	239,400	54.4		
12	36,899	33.5		
1 p.m.	51,207	46.5		
2	46,816	42.6		
3	36,209	32.9		
4	15,413	14.0		
Subtotal, afternoon hours	186,544	33.9		
Subtotal, 45-hour week	425,944	43.0	19.4	107.8
Saturday hours	5,052			
Other hours	16,026			
Total hours, 7 institutions	447,022		20.3	112.8
Continuation Centers hours	30,075			
Total hours, 7 institutions and Continuation Centers	477,097		21.7	120.6

Scheduled Occupancy by Day of the Week (7 institutions only)

Day	Total Hours of Scheduled Occupancy	% of Student Stations Scheduled
Monday	99,864	50.4
Tuesday	70,575	35.6
Wednesday	97,966	49.5
Thursday	64,505	32.6
Friday	93,034	47.0
Subtotal, 45-hour week	425,944	43.0
Saturday morning	4,999	
Saturday afternoon	53	
Other hours	16,026	
Total	447,022	

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B. Laboratory Student Stations (10,300)

Scheduled Occupancy by Hour of the Day (7 Institutions)

Hour	Total Hours of Scheduled Occupancy per Week	% of Student Stations Scheduled per Week	Average Hours of Scheduled Occupancy per Week	% Average is of Minimum Objective of 16 Hours per Week
8 a.m.	13,984	27.2		
9	18,751	36.4		
10	21,041	40.9		
11	18,965	36.8		
Subtotal, morning hours	72,741	35.3		
12	4,611	9.0		
1 p.m.	18,087	35.1		
2	23,310	45.3		
3	20,380	39.6		
4	14,824	28.8		
Subtotal, afternoon hours	81,212	31.5		
Subtotal, 45-hour week	153,953	33.2	14.9	93.1
Saturday hours	2,550			
Other hours	8,491			
Total hours, 7 institutions	164,994		16.0	100.0
Continuation Centers hours	6,123			
Total hours, 7 institutions and Continuation Centers	171,117		16.6	103.8

Scheduled Occupancy by Day of the Week (7 institutions only)

Day	Total Hours of Scheduled Occupancy	% of Student Stations Scheduled
Monday	28,983	31.3
Tuesday	34,182	36.9
Wednesday	30,692	33.1
Thursday	34,187	36.9
Friday	25,909	27.9
Subtotal, 45-hour week	153,953	33.2
Saturday morning	2,491	
Saturday afternoon	59	
Other hours	8,491	
Total	164,994	

Office of Business Affairs
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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES
FALL TERM 1966

Institution	Number of Rooms	Hours of Scheduled Occupancy Per Week — Total	Hours of Scheduled Occupancy Per Week — Average	% Average is of Minimum Objectives
A. Classrooms				
Eastern Oregon College	17	535	31.5	105.0%
Oregon College of Education	26	682	26.2	87.3%
Oregon State University	122	3,713	30.4	101.3%
Southern Oregon College	40	1,360	34.0	113.3%
University of Oregon	105	3,569	34.0	113.3%
Portland State College	76	2,556	33.6	112.0%
Oregon Technical Institute	13	392	30.2	100.7%
Totals	399	12,807	32.1	107.0%

Objective expected for Oregon tax-supported institutions:
Maximum practicable level of utilization and, except where special conditions at a particular institution justify a different objective, to achieve an average number of hours of scheduled occupancy in classrooms no less than 30.0

B. Laboratories				
Eastern Oregon College	19	344	18.1	90.5%
Oregon College of Education	15	372	24.8	124.0%
Oregon State University	184	3,533	19.2	96.0%
Southern Oregon College	21	490	23.3	116.5%
University of Oregon	61	1,231	20.2	101.0%
Portland State College	68	1,360	20.0	100.0%
Oregon Technical Institute	37	965	26.1	130.5%
Totals	405	8,295	20.5	102.5%

Objective expected for Oregon tax-supported institutions:
Maximum practicable level of utilization and, except where special conditions at a particular institution justify a different objective, to achieve an average number of hours of scheduled occupancy in laboratories of no less than 20.0

Office of Business Affairs
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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY OF SCHEDULED OCCUPANCY OF STUDENT STATIONS
FALL TERM 1966

Institution	Number of Student Stations	Hours of Scheduled Occupancy Per Week		% Average is of Minimum Objectives
		Total	Average	
A. Classrooms Student Stations				
Eastern Oregon College	837	14,530	17.4	96.7%
Oregon College of Education	1,247	23,522	18.9	105.0%
Oregon State University	7,304	132,974	18.2	101.1%
Southern Oregon College	1,572	37,695	24.0	133.1%
University of Oregon	6,505	143,569	22.1	122.8%
Portland State College	4,107	86,141	21.0	116.7%
Oregon Technical Institute	432	8,591	19.9	110.6%
Totals	22,004	447,022	20.3	112.8%

Objective expected for Oregon tax-supported institutions:
Maximum practicable level of utilization and, except where special conditions at a particular institution justify a different objective, to achieve an average number of hours of scheduled occupancy in classroom student stations of no less than 18.0

B. Laboratory Student Stations				
Eastern Oregon College	446	7,012	15.7	98.1%
Oregon College of Education	381	8,441	22.2	138.8%
Oregon State University	4,895	66,518	13.6	85.0%
Southern Oregon College	601	11,434	19.0	118.8%
University of Oregon	1,621	30,743	19.0	118.8%
Portland State College	1,491	25,647	17.2	107.5%
Oregon Technical Institute	865	15,199	17.6	110.0%
Totals	10,300	164,994	16.0	100.0%

Objective expected for Oregon tax-supported institutions:
Maximum practicable level of utilization and, except where special conditions at a particular institution justify a different objective, to achieve an average number of hours of scheduled occupancy in laboratory student stations of no less than 16.0

Office of Business Affair
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OREGON STATE BOARD OF HIGHER EDUCATION

CLASSROOM AND LABORATORY UTILIZATION DATA, FALL TERM 1966
UNIVERSITY OF OREGON DENTAL SCHOOL & UNIVERSITY OF OREGON MEDICAL SCHOOL

	UODS	UOMS
I. Enrollment (Full-time equivalent)	389	816
II. Classrooms:		
a. Number of rooms	12	23
b. Total square foot area	7,982	13,983
c. Average area per FTE student	20.5	17.1
d. Total number of student stations	604	1,097
e. Average number of student stations per FTE student	1.55	1.34
f. Average area per student station	13.2	12.7
g. Total hours of scheduled occupancy of classrooms per week	186	576
h. Average hours of scheduled occupancy of classrooms per week	15.5	25.0
i. Total hours of scheduled occupancy of classroom student stations per week	5,427	17,483
j. Average hours of scheduled occupancy of classroom student stations per week	9.0	15.9
k. Space factor: assignable square feet per 100 student station hours	147.0	80.0
III. Laboratories:		
a. Number of rooms	9	10
b. Total square foot area	29,226	13,145
c. Average area per FTE student	75.1	16.1
d. Total number of student stations	618	483
e. Average number of student stations per FTE student	1.59	.59
f. Average area per student station	47.5	27.2
g. Total hours of scheduled occupancy of laboratories per week	177	110
h. Average hours of scheduled occupancy of laboratories per week	19.7	11
i. Total hours of scheduled occupancy of laboratory student stations per week	8,213	4,058
j. Average hours of scheduled occupancy of laboratory student stations per week	13.3	8.4
k. Space factor: assignable square feet per 100 student station hours	356	323.9

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OREGON STATE BOARD OF HIGHER EDUCATION
SUMMARY COMPARISON OF SCHEDULED OCCUPANCY OF CLASSROOMS AND LABORATORIES
FALL TERMS 1965 AND 1966
UNIVERSITY OF OREGON DENTAL SCHOOL AND UNIVERSITY OF OREGON MEDICAL SCHOOL

A. Total Hours of Scheduled Occupancy per Week

		Classrooms		Laboratories	
	F.T.E. Enrollment	Room Hours	Student Station Hours	Room Hours	Student Station Hours
University of Oregon Dental School:					
1966	389	186	5,427	177	8,213
1965	387	178	5,472	183	8,068
Increase or (Decrease)	2	8	(45)	(6)	145
% Increase or (Decrease)	0.5%	4.5%	(0.8%)	(3.3%)	1.8%
University of Oregon Medical School:					
1966	816	576	17,483	110	4,058
1965	794	546	17,578	95	3,357
Increase or (Decrease)	22	30	(95)	15	701
% Increase or (Decrease)	2.8%	5.5%	(0.5%)	15.8%	20.9%

B. Average Hours of Scheduled Occupancy per Week

	Classrooms		Laboratories	
	Room Hours	Student Station Hours	Room Hours	Student Station Hours
University of Oregon Dental School:				
1966	15.5	9.0	19.7	13.3
1965	14.8	9.1	20.3	13.2
Increase or (Decrease)	0.7	(0.1)	(0.6)	0.1
% Increase or (Decrease)	4.7%	(1.1%)	(3.0%)	0.7%
University of Oregon Medical School:				
1966	25.0	15.9	11.0	8.4
1965	23.7	16.0	9.5	7.0
Increase or (Decrease)	1.3	(0.1)	1.5	1.4
% Increase or (Decrease)	5.5%	(0.6%)	15.8%	20.0%

Office of Business Affairs
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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY COMPARISON OF TOTAL HOURS OF SCHEDULED OCCUPANCY
DIVISION OF CONTINUING EDUCATION
FALL TERMS 1965 AND 1966

Institution	Classrooms		Laboratories	
	Room Hours	Student Station Hours	Room Hours	Student Station Hours
Eastern Oregon College:				
1966	0	0	0	0
1965	0	0	0	0
Increase or (decrease)	0	0	0	0
Oregon College of Education:				
1966	18	150	0	0
1965	22	151	6	36
Increase or (decrease)	(4)	(1)	(6)	(36)
Oregon State University:				
1966	173	2,662	55	849
1965	154	2,410	29	571
Increase or (decrease)	19	252	26	278
Southern Oregon College:				
1966	3	45	0	0
1965	6	96	0	0
Increase or (decrease)	(3)	(51)	0	0
University of Oregon:				
1966	129	2,916	15	276
1965	219	6,441	22	545
Increase or (decrease)	(90)	(3,525)	(7)	(269)
Portland State College:				
1966	791	23,287	257	4,954
1965	743	23,998	282	5,508
Increase or (decrease)	48	(711)	(25)	(554)
Oregon Technical Institute:				
1966	68	1,015	7	44
1965	66	1,308	42	651
Increase or (decrease)	2	(293)	(35)	(607)
TOTALS:				
1966	1,182	30,075	334	6,123
1965	1,210	34,404	381	7,311
Increase or (decrease)	(28)	(4,329)	(47)	(1,188)

Office of Business Affairs
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OREGON STATE BOARD OF HIGHER EDUCATION

SUMMARY OF HOURS OF SCHEDULED OCCUPANCY PER WEEK INSTITUTIONAL AND DIVISION OF CONTINUING EDUCATION FALL TERM 1966

A. Scheduled Occupancy of Rooms

	No. of Rooms	Institutional Hours	DCE Hours	Total Hours	Aver. Hrs. per Rm. Institutional	Aver. Hrs. per Rm. Total
Classrooms						
stern Oregon College	17	535	0	535	31.5	31.5
egon College of Education	26	682	18	700	26.2	26.9
egon State University	122	3,713	173	3,886	30.4	31.9
uthern Oregon College	40	1,360	3	1,363	34.0	34.1
iversity of Oregon	105	3,569	129	3,698	34.0	35.2
rtland State College	76	2,556	791	3,347	33.6	44.0
egon Technical Institute	13	392	68	460	30.2	35.4
Subtotals	399	12,807	1,182	13,989	32.1	35.1
iversity of Oregon Dental School	12	186	0	186	15.5	15.5
iversity of Oregon Medical School	23	576	0	576	25.0	25.0
Totals	434	13,569	1,182	14,751	31.3	34.0
Laboratories						
stern Oregon College	19	344	0	344	18.1	18.1
egon College of Education	15	372	0	372	24.8	24.8
egon State University	184	3,533	55	3,588	19.2	19.5
uthern Oregon College	21	490	0	490	23.3	23.3
iversity of Oregon	61	1,231	15	1,246	20.2	20.4
rtland State College	68	1,360	257	1,617	20.0	23.8
egon Technical Institute	37	965	7	972	26.1	26.3
Subtotals	405	8,295	334	8,629	20.5	21.3
iversity of Oregon Dental School	9	177	0	177	19.7	19.7
iversity of Oregon Medical School	10	110	0	110	8.4	8.4
Totals	424	8,582	334	8,916	20.2	21.0

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B. Scheduled Occupancy of Student Stations

	No. of Student Stations	Institutional Hours	DCE Hours	Total Hours	Average Hours per Student Station: Institutional	Average Hours per Student Station: Total
Classroom Student Stations						
Eastern Oregon College	837	14,530	0	14,530	17.4	17.4
Oregon College of Education	1,247	23,522	150	23,672	18.9	19.0
Oregon State University	7,304	132,974	2,662	135,636	18.2	18.6
Southern Oregon College	1,572	37,695	45	37,740	24.0	24.0
University of Oregon	6,505	143,569	2,916	146,485	22.1	22.5
Portland State College	4,107	86,141	23,287	109,428	21.0	26.6
Oregon Technical Institute	432	8,591	1,015	9,606	19.9	22.2
Subtotals	22,004	447,022	30,075	477,097	20.3	21.7
University of Oregon Dental School	604	5,427	0	5,427	9.0	9.0
University of Oregon Medical School	1,097	17,483	0	17,483	15.9	15.9
Totals	23,705	469,932	30,075	500,007	19.8	21.1
Laboratory Student Stations						
Eastern Oregon College	446	7,012	0	7,012	15.7	15.7
Oregon College of Education	381	8,441	0	8,441	22.2	22.2
Oregon State University	4,895	66,518	849	67,367	13.6	13.8
Southern Oregon College	601	11,434	0	11,434	19.0	19.0
University of Oregon	1,621	30,743	276	31,019	19.0	19.1
Portland State College	1,491	25,647	4,954	30,601	17.2	20.5
Oregon Technical Institute	865	15,199	44	15,243	17.6	17.6
Subtotals	10,300	164,994	6,123	171,117	16.0	16.6
University of Oregon Dental School	618	8,213	0	8,213	13.3	13.3
University of Oregon Medical School	483	4,058	0	4,058	8.4	8.4
Totals	11,401	177,265	6,123	183,388	15.5	16.1

Office of Business Affairs
March 16, 1967

OREGON STATE SYSTEM OF HIGHER EDUCATION

PERCENTAGE OF
NET USABLE AREA IN NONRESIDENTIAL FACILITIES
CLASSIFIED AS CLASSROOMS AND TEACHING LABORATORIES

Institution	Classrooms	Teaching Laboratories	Total
Eastern Oregon College	9.8	12.4	22.2
Oregon College of Education	12.6	7.7	20.3
Oregon State University	4.0	20.4	24.4
Southern Oregon College	8.5	6.9	15.4
University of Oregon	6.4	9.3	15.7
Portland State College	5.1	8.7	13.8
Oregon Technical Institute	2.4	31.1	33.5
Median 7 Institutions	6.4	9.3	20.3
Mean 7 Institutions	7.0	13.8	20.8
University of Oregon Dental School	6.1	14.7	20.8
University of Oregon Medical School	2.5	11.9	14.4
Mean 9 Institutions	6.4	13.7	20.1

Source: Use Code from the Space Inventory compiled by the Office of Business Affairs, November 5, 1966